

1973 Cadillac

OWNER'S MANUAL

IMPORTANT OPERATING, SAFETY AND MAINTENANCE INSTRUCTIONS



FOR CONTINUING SATISFACTION, KEEP YOUR GM CAR. ALL GM, GENERAL MOTORS PARTS ARE IDENTIFIED BY ONE OF THESE TRADEMARKS.



A WORD TO CADILLAC OWNERS

This manual has been prepared to acquaint you with the operation and maintenance of your 1973 Cadillac, and to provide important safety information. It is supplemented by three convenient folders which provide additional information on vehicle maintenance, emission control, and warranties. We urge you to read these publications carefully and follow the recommendations to help assure the most enjoyable and trouble free operation of your vehicle.

When it comes to service, remember that your Cadillac dealer knows your vehicle best and is interested in your complete satisfaction. Return to him for Guardian Maintenance Service and any other assistance you may require.

To assist dealers in handling your needs, Cadillac maintains a number of Zone Offices throughout the country. Should you have a problem that cannot be handled through normal channels, follow the procedure presented in Section 6 of this manual under the heading, "Owner Assistance".

We would like to take this opportunity to thank you for choosing a Cadillac product -- and assure you of our continuing interest in your motoring pleasure and satisfaction.

Cadillac Motor Car Division

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1973 CADILLAC

OWNER'S MANUAL

All information, illustrations and specifications contained in this manual are based on the latest product information available at the time of publication. The right is reserved to make changes at any time without notice.

For vehicles sold in Canada, substitute the name General Motors of Canada, wherever the name Cadillac Motor Car Division appears in this manual.

SERVICE DEPARTMENT
CADILLAC MOTOR CAR DIVISION
General Motors Corporation
Detroit, Michigan 48232

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SECTION 1



BEFORE DRIVING YOUR CADILLAC

Instructions and suggestions on proper operation and care are contained in this Owner's Manual. Please refer to it as frequently as needed to help maintain the performance and value of your Cadillac.

For protection of your Owner's Manual, a vinyl storage case is provided. This case is a convenient container for other booklets, folders, and papers that pertain to your Cadillac.

Driver checklist

BEFORE ENTERING CAR

1. See that windows, mirrors and lights are clean.
2. Visually note inflation condition of tires.
3. Check that area to rear is clear if about to back up.

BEFORE DRIVING OFF

1. Lock all doors.
2. Position seat and adjust head restraints.
3. Adjust inside and outside mirrors.
4. Fasten seat belts.
5. Check that "GEN" and "STOP ENG.-OIL" warning bulbs light when key is turned to start position.
6. Be sure you understand your car and how to operate it safely.

Keys

Two separate keys are provided for your car. Each key has a different cross section so that it can be inserted only in certain locks.

- KEY WITH SQUARE HEAD (STAMPED "E") -- for ignition switch and door locks.
- KEY WITH OVAL HEAD (STAMPED "H") for glove compartment and trunk locks.

The code number of each key is stamped on the "knock out" plug in the key head. Your Cadillac Dealer removed these plugs and placed them with the spare set of keys in the special key envelope that was given to you at time of delivery.



1973 CADILLAC KEYS

For your protection:

- Record the numbers on the key envelope and discard the key plugs.
- Keep the key envelope in a safe place such as your wallet, **NOT IN THE CAR.**

In the event the original keys are lost, duplicates can be made by your dealer or a locksmith using the key code information.

Glove compartment

BE SURE TO LOCK THE GLOVE COMPARTMENT AND REMOVE THE KEY FROM THE CAR WHENEVER IT IS NECESSARY TO LEAVE THE IGNITION KEY WITH AN ATTENDANT.

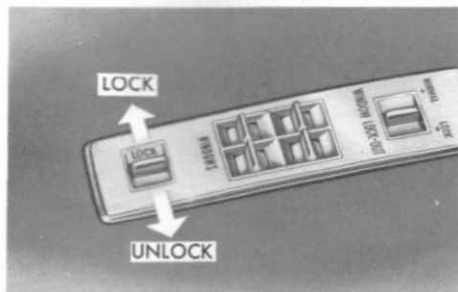
- To unlock: insert oval head key and rotate one-quarter turn clockwise to the unlocked position. An additional quarter turn opens the door.
- To lock: insert key and rotate fully counter-clockwise.
- Key may be removed in either locked or unlocked position.

Door locks

To lock any car door from the outside, depress the interior door lock button and close door. **The outside door handle button does not need to be depressed to lock the door.**

The front doors may be locked and unlocked with the square head key. Lock doors from inside by depressing the interior door lock button. Unlock by raising the button.

- When the door is locked, movement of the inside door handle does not unlock or open the door. Door must be unlocked before it



POWER DOOR LOCK CONTROL

may be opened. Avoid pushing on door glass when opening or closing doors.

REMINDER: Always lock the doors when driving, for greater security in the event of an accident and for security against entry by unwelcome persons while momentarily stopped.

On **ELDORADO** styles, an interior door handle is provided near the rear of the right door armrest for the convenience of rear seat passengers.

On the **FLEETWOOD SEVENTY-FIVE LIMOUSINE** style, a separate key is provided for the lock on the right hand rear door. This key is coded specifically for that door and the head is notched for identification.

Power door locks

A power door lock control (on cars so equipped) is located on each front door armrest switch panel. To lock or unlock all doors simultaneously, press either switch lever toward or away from the word "LOCK".

On **FLEETWOOD SEVENTY-FIVE LIMOUSINES** the door lock switch located on the left

front door armrest operates only to lock the doors. An additional door lock switch (on the right rear door) locks and unlocks all doors.

Cadillac theft deterrent system

The theft deterrent system (on cars so equipped) is controlled by the ignition switch and a selector switch located in the top panel of the glove compartment. A label inside the glove compartment door indicates the "ARM ENABLE" and "ARM PREVENT" selector positions. If activated, the alarm intermittently operates the car's horn and parking, tail, and side marker lights.

SYSTEM OPERATION

- With ignition on, set deterrent system selector (in glove compartment) to "ARM ENABLE" position and lock steering column. The system "arms" in 1-1/2 to 2 minutes. If a car door is opened within this period and left open beyond normal arming time, the system arms after the door is closed.
- When armed, the system immediately sounds horns and flashes lights intermittently for three to seven minutes if hood, glove compartment or trunk is opened. Also use of

most electrical systems that operate with ignition off such brake lights, headlights, hazard flasher, etc., will cause immediate activation. Opening any car door or switching on any courtesy light activates the system after approximately 15 seconds delay. This delay period is sufficient for the driver to enter the car and disarm the system.

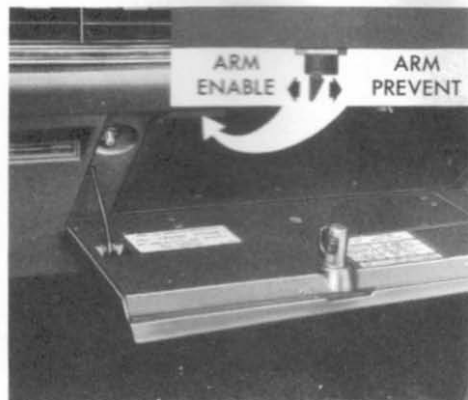
- "DISARMING" requires unlocking the ignition switch and turning it to the RUN position (ignition on) within 15 seconds after opening a door. Switching the deterrent system selector to "ARM PREVENT" does not disarm the system when armed, but instead activates horn and lights immediately.

SYSTEM FEATURES AND TIPS

- For continuous use of the deterrent system, selector may be left in "ARM ENABLE".
- The system may be continuously prevented from arming by switching the selector to "ARM PREVENT" any time the ignition switch is in the RUN position or within 30 seconds after turning ignition off.
- The system may be prevented from arming during one parking period with the selector in

"ARM ENABLE" by turning the ignition switch to ACCESSORY, waiting five seconds, then locking the ignition.

- If persons remain in the car, or if hood or trunk is to be opened after parking, the system may be temporarily disarmed to prevent activation. This may be done either by use of the ACCESSORY position before locking the ignition, or by opening a car door before the system has armed and leaving it open.



THEFT DETERRENT SELECTOR

- If the system is activated, it may be shut down only by unlocking the ignition switch and turning it to RUN position. Selecting "ARM PREVENT" does not de-activate the system. The system shuts down automatically after three to seven minutes, but remains armed and will re-activate as noted under System Operation.

Luggage compartment

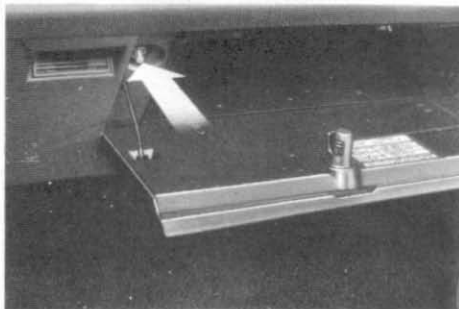
The lid on the luggage compartment is counter-balanced for easy opening and has a key-lock release.

To open the lid:

- Rotate the Cadillac crest covering the lock cylinder counterclockwise until it latches.
- Insert the oval head key.
- Turn the key in a clockwise direction to release the lid.

An interior light illuminates the luggage compartment when the lid is raised. To close and lock the trunk lid:

- Remove the key which allows the crest to spring back to its normal, closed position.



REMOTE CONTROL TRUNK RELEASE

- Pull the lid down to a position six or eight inches from closing.
- Push the lid down firmly.

Remote control trunk lock

The remote control trunk lock (on cars so equipped) permits unlocking and raising the trunk lid from inside the car.

- To open trunk, press release button located inside glove box door opening at upper left. An amber "TRUNK" warning light on the right side of the instrument cluster glows

with the trunk open and ignition in RUN position. Raise trunk lid fully before latching in order to activate the pull-down and latch mechanism. The trunk lid also unlocks in the conventional manner using the oval head key.

- To close trunk, lower lid and push it down until latched - DO NOT SLAM. The pull-down and latch mechanism pulls the lid fully down.
- Keep glove compartment locked when leaving car unattended to prevent unwanted entry into the trunk.

An automatic trunk lid release without the pull-down feature and warning light, is available as a dealer-installed accessory.

Folding seat-back latches

Two-door styles are equipped with mechanisms that latch the front seat-backs in the upright position. A latch release located on each front seat-back permits unlatching in order to fold the seat back forward. Keep seat belts and buckles clear of mechanism when tilting folding seats forward or backward, to prevent damage to these belt restraints.

- To unlatch when equipped with standard door locks: rotate the release lever (located on the outer side panel of each front seat-back) rearward and fold the seat-back forward.
- When equipped with power door locks: opening a door automatically unlatches the front seat-back latch on that side. In addition, a



SEAT-BACK LATCH RELEASE

manual release is located at the rear of each front seat-back. To unlatch the front seat-back manually, lift the manual release knob.

- Latching: return the seat-back to the upright position (manual door locks). If equipped with power door locks, closing the door latches the front seat back.

Front seat adjustment

MANUALLY OPERATED SEATS

- Move the lever (located on the driver's seat side cushion panel) forward to release the adjuster.
- Adjust seat to the most comfortable driving position.
- Release the lever to lock the seat in this position.

The seat back also tilts forward or rearward slightly when the seat is moved.

CAUTION: Do not adjust a manually operated driver's seat while the car is moving—the seat could move unexpectedly, causing loss of control.

ELECTRICALLY OPERATED SEATS

TWO-WAY CONTROL

- Move the switch lever (located on the driver's seat side cushion panel) in the direction of desired travel. Dual Comfort seats have a two-way electric control for the driver's seat and a manual control for the passenger's seat unless ordered with available six-way controls.

SIX-WAY CONTROL

The six-way control is located on the side cushion panel of seats so equipped.



SIX-WAY SEAT CONTROL

- Move the center switch lever forward or backward to control fore and aft seat movement.
- Move the center switch lever up or down to control height of the entire seat.
- Move the front switch lever up or down to raise or lower the front of the seat and to tilt the seat-back accordingly.
- Move the rear switch lever up or down to adjust the rear portion of the seat.

Rear seat filler panel

CAUTION: The filler panel between the rear seat and the rear window should not be used for storage—even of light weight, small articles. They might become dangerous projectiles during a collision or sudden stop. Larger items may also reduce vision to the rear.

Coat hooks

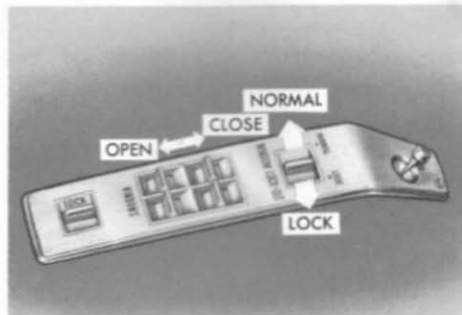
All Cadillacs, except convertibles, are equipped with two coat hooks, one on each inside roof rail, above the rear windows.

REMINDER: Avoid hanging objects on the right hand coat hook in such a way that you block the driver's vision to the right rear quarter.

Power windows

Power windows can be operated only when the ignition switch is in the RUN position.

REMINDER: Remove the ignition key when the vehicle is not attended by a responsible person.

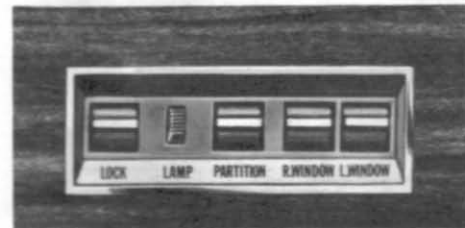


POWER WINDOW MASTER CONTROL

The power window master control is located on the left front door armrest. The control switches are positioned to correspond with the windows they control—the left front switch for the left front door window, etc. Individual switches are provided under each window for passenger use.

Controls for both rear door windows on the Fleetwood Seventy-Five Sedan and Limousine styles are located on the side trim panel above each rear armrest.

On the Limousine style, the driver's master control switches for the rear door windows operate only to close the windows.



FLEETWOOD 75
REAR WINDOW CONTROLS

WINDOW LOCK-OUT SWITCH

The window lock-out switch at the window master control has two positions:

- "NORMAL": all windows may be operated by the master controls or the individual window switches (ignition switch in "RUN" position).
- "LOCK": windows may be operated by the master controls, but the individual switches are inoperative (ignition switch in "RUN" position).

Linsuine Partition Glass—Individual controls are mounted with the rear door window switches. These switches remain operative when the window lock-out switch is in the "LOCK" position.

Rear View Mirrors

INSIDE REAR VIEW MIRROR

To raise or lower, grasp mirror and exert sufficient pressure by pushing or pulling to move mirror up or down.

The mirror support has dual pivots that permit you to move the mirror sideways, up, or down within the range of adjustment.



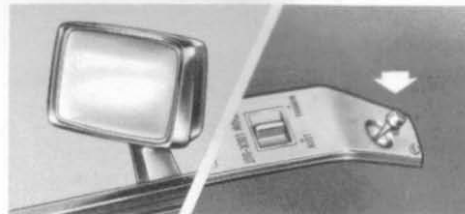
INSIDE REAR VIEW MIRROR

- Switch mirror to night position to reduce glare from following headlights.

REMOTE CONTROL OUTSIDE REAR VIEW MIRROR

Your Cadillac is equipped with a remote-control outside rear view mirror on the driver's side of the car. Movement of the control knob inside the car, on the left front door armrest, allows you to adjust the mirror to suit your requirements.

The remote control for the **right-hand outside rear view mirror** (if your car is so equipped) is located on the instrument cluster side panel to the right of the radio area.



LEFT MIRROR AND CONTROL

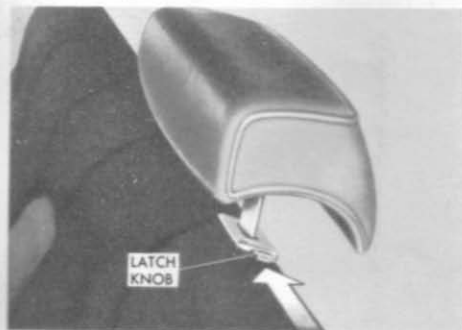
NOTE: Scraping ice from the mirror face could cause permanent damage. For removal of ice, use a de-icer (spray type, blower type, etc.).



RIGHT MIRROR REMOTE CONTROL

Head restraints

- Head restraints are designed to help reduce injuries due to "whiplash."
- Select one of the two positions—up or down—that places the top of the head restraint closest to the top of your ears.
- Do not use head restraint above the up detent position.
- Head restraint can be raised by pulling up until you feel it click into the "DETENT" position.
- To lower; release latch at base of supporting rod and push down on restraint.



HEAD RESTRAINT LATCH

- Do not operate vehicle with head restraints removed, since occupants lose the protection provided.

One buckle lap/shoulder belt system

Your Cadillac is equipped with a "One Buckle" seat belt system. The "One Buckle" System features one buckle for lap and shoulder belts and includes a "FASTEN SEAT BELT" reminder light and buzzer designed to remind you if you start to drive away without fastening your lap belt. The "FASTEN SEAT BELT" reminder light and buzzer also operate under these conditions if the right front passenger does not fasten his lap belt. For information on how to use the system in your car please consult the material under the proper heading on the following pages.

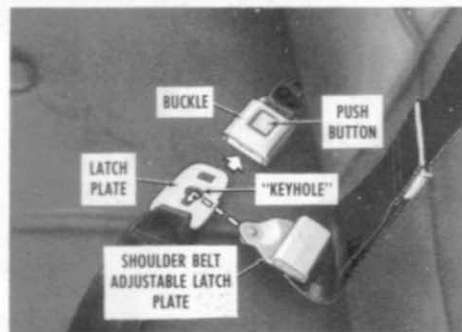
LAP BELTS

- Adjust front seat to satisfaction of driver and sit erect and well back in seat.
- In a single motion, pull webbing across lap far enough to permit inserting metal latch plate end of seat belt into the buckle, until a snap is heard. If not pulled out far enough to reach, let belt rewind into the retractor to

release lock mechanism, so belt can be pulled out to the proper length.

- Position belt across lap as LOW ON HIPS as possible. To reduce risk of sliding under belt during an accident, adjust to a SNUG FIT by pulling belt firmly across lap in direction of retractor so it can take up slack.

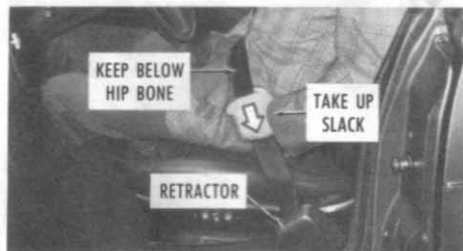
CAUTION: A snug fit and a low lap belt position are essential to lessen the chance of injury in the event of an accident because this spreads the force exerted by the lap belt in a collision over the strong hip bone structure rather than across the soft abdominal area.



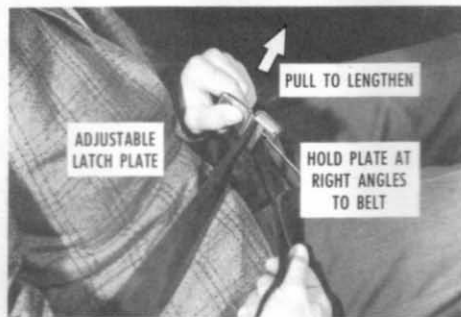
LAP AND SHOULDER BELTS

Seat belt buckles are located close to the seat to provide shoulder belt attaching points that reduce the tendency of shoulder belts to pull the lap belt upward in the event of frontal impact.

- Seating positions next to side windows have retractors which are designed to automatically take up excess webbing and maintain tension on the lap belt.
- Lap belts at center seating positions should be positioned and secured as above, and adjusted to a **SNUG FIT** by pulling on the end of the belt extending from the adjustable latch plate.
- To lengthen a lap belt at center seating positions place adjustable latch plate at right angles to the belt webbing and pull on latch



ADJUSTING LAP BELT



BELT LENGTH ADJUSTMENT

plate; belt should then slide easily through the adjustable latch plate.

- To unfasten lap belts, depress push button in center of buckle.

NOTE: Take care not to let the lap belt twist while it is being rewound into the retractor. The bulk of the twisted belt may cause the retractor to jam so it will not rewind further while at the same time the retractor's locking mechanism prevents the belt from being withdrawn. If a belt should become jammed, you may be able to release it by pulling the belt out far enough to untwist it. Otherwise, the retractor will require servicing.

CAUTION: To lessen the chance of injury in the event of an accident — never use the same belt for more than one person at a time; avoid wearing belts in a twisted condition; do not allow them to become pinched between the seat structural (metallic) members or in the door.

Seat Belt Buzzer/Light Reminder

- The front outboard lap belts (those next to side windows) are linked to a buzzer and light which remind occupants to fasten seat belts.
- The buzzer and light are designed to come on when the ignition switch is on, the transmission selector is in a forward drive position, and the driver's or right front passenger's lap belt is not fastened.

NOTE: The right front seat contains a weight detector which is designed to activate the buzzer and light whenever a nominal weight is placed on the seat. The weight detector cannot distinguish between a passenger and any item of luggage or cargo, therefore, such items should be placed elsewhere in the car, preferably in the trunk.

If seat belt system or reminder system does not work as described, see your dealer for information and assistance.

SHOULDER BELTS

Shoulder belts are standard equipment for driver and front seat passenger on all models except the convertible. They are also available on the convertible, and as a dealer installed item for rear seats on all models.

- When properly worn with a lap belt, a shoulder belt can provide important additional protection against impact with the car interior by restraining forward motion of the upper torso in a collision. This is particularly true in the case of a frontal impact, which is the most frequent type of accident.

CAUTION: To lessen the chance of injury in the event of an accident, a shoulder belt must not be worn without a lap belt or under the arm.

- To fasten the shoulder belt, unstow it and place the knob on the shoulder belt end in the keyhole on the lap belt latch plate. (The latch is designed so that this attachment can

only be completed before fastening the lap belt.) Tilt the knob, as necessary, to pass it through the slot. Pull the knob firmly upward to seat it at the narrow end of the keyhole, then fasten the lap belt.

- Shoulder belts are lengthened and shortened in the same manner as center seat lap belts.
- Shoulder belt should have sufficient slack to insert a fist's width between your chest and the belt. This can be checked by inserting a clenched fist between the belt and your chest with thumb against chest and back of hand facing upward.
- When not in use, the shoulder belt may be stowed by leaving it attached to the lap belt and allowing the lap belt to rewind into its retractor. Take up remaining slack using the shoulder belt adjustment feature.



SHOULDER BELT STOWAGE

- To completely restow the shoulder belt, remove the belt knob from the keyhole (tilting knob as necessary). Then restow belt along roof rail

On convertible models front seat shoulder belts (if so equipped) are stowed by inserting the shoulder belt end into the retainer located on the lower front edge of the rear seat cushion. Push down until the knob snaps securely into position.

When not in use, all loose lap and shoulder belts should be secured to reduce the danger of the metal ends striking an occupant in an accident. When special stowage provisions are not provided,



ADJUSTING SHOULDER BELT

the loose ends should be attached to each other and adjustment made to remove the slack in the belt system. Be sure that belts are not left in a position where the webbing or hardware can be pinched in the seat structure or door, and thus become damaged.

SEAT BELT INSPECTION

- Periodically inspect belts, buckles, retractors, and anchors for damage that could lessen the effectiveness of the restraint system.
- Keep sharp edges and damaging objects away from belts.
- Replace belts if cut, weakened, frayed, or subjected to collision loads.
- Check that anchor mounting bolts are tight.
- Have questionable parts replaced.
- Keep seat belts clean and dry.
- Clean only with mild soap solution and lukewarm water.
- Do not bleach or dye belts since this may severely weaken belts.

Child restraint

Children in automobiles should be restrained to lessen the risk of injury in accidents, sudden stops or other hazardous situations. General Motors dealers offer restraint systems designed specifically for use with infants. In using any infant or child restraint system, read and comply with all installation and usage instructions.

All unused seat belts near the child should be stowed properly to help prevent them from striking him in the event of an accident. Lap belts and shoulder belts without storage provisions should have buckles latched and belts adjusted to remove slack.

CARS NOT EQUIPPED WITH SPECIAL CHILD RESTRAINTS

If a child is traveling in a vehicle not equipped with a General Motors infant restraint or other safe infant or child restraint system, the following cautions should be taken:

1. Infants unable to sit up by themselves should be restrained by placing them in a covered,

padded bassinet which is placed crossways in the vehicle (widthwise) on the rear seat. The bassinet should be securely restrained with the regular vehicle seat belts. An alternate method is to position the bassinet so that it rests against the back of the front seat, again crossways in the vehicle.

2. Children able to sit up by themselves should be placed on a seat and lap belted, preferably in the rear seat. Never allow a child to stand or kneel on any seat. If the child cannot see out the car windows he should sit on a firm cushion with the regular lap belt restraining him at the hips. The cushion should be as firm as practical and just high enough to enable the child to look horizontally out of the car windows. The use of the cushion should be discontinued as soon as the child is old enough to see out of the car windows without it.
3. General Motors recommends that children be restrained properly when riding. However, if unusual conditions prohibit use of restraints and require that a child must stand, he should stand on the floor directly behind the

front seat. This will minimize the possibility of injury from frontal impacts in the event of an accident.

Trailer hauling

Since passenger cars are designed and intended to be used primarily as passenger conveyances, towing a trailer will affect handling, durability and economy. Maximum safety and satisfaction depend upon proper use of correct equipment and avoiding overloads and other abusive operation.

It is recommended that your new Cadillac be operated for 500 miles before trailer towing. If it is necessary to tow during this period, avoid speeds over 50 MPH and full throttle starts. The same precautions should be observed when a new engine or axle is installed in your car.

The maximum loaded trailer weight which you can pull satisfactorily with your Cadillac Calais, DeVille, Brougham or Eldorado depends on what special equipment has been installed on your car. Cadillac does not recommend towing any trailer unless the car is properly equipped. In any case,

EQUIPMENT	TRAILER WEIGHT (LOADED)			
	0-1000 lbs.	1000-2000 lbs.	2000-3500 lbs.	3500-6000 lbs.
Variable Load Turn Signal Flasher	Required	Required	Required	Required
•High Output Generator and Regulator	Recommended	Recommended	Required	Required
•Radiator with Heavy Duty Transmission Oil Cooler	Available	Available	Required	Required
Automatic Level Control (Standard on Eldorado and Sixty Special Brougham)	Recommended	Recommended	Recommended	Recommended
•Special Rear Axle Ratio— 3.15 to 1 (Except Eldorado)	Available	Recommended	Required	Required
Separate Trailer Brakes	—	Required	Required	Required
Frame Side Rail Mounted, Non-Equalizer Hitch	Recommended	Recommended	Not Recommended	Not Recommended
Frame Side Rail Mounted, Load-Equalizer Hitch with Sway Control	—	—	Required	Required

•Included when Factory Installed Trailering Package is ordered.

however, towing a trailer with the Cadillac Series Seventy-Five is not recommended. The preceding chart shows the required and recommended added equipment for pulling various sizes of trailers.

CAUTIONS:

1. A frame side rail mounted load equalizer hitch with sway control of sufficient capacity is required for trailers over 2,000 lbs. loaded weight.
2. Do not use axle-mounted hitches. They can cause damage to the axle housing, wheel bearings, wheels or tires.
3. Bumper-mounted hitches should not be used. They can cause damage to the body and sheet metal.
4. Trailer brakes are required on trailers over 1,000 lbs. loaded weight.
5. Do not tap into the car's hydraulic brake system if operation of the trailer brake system requires more than 0.02 cubic inch of fluid displacement from the car's master cylinder. The car's master cylinder fluid capacity will not be sufficient to operate

both car and trailer brakes under all conditions of use if more than 0.02 cubic inch of fluid displacement is required.

6. Whenever a trailer hitch is removed, be certain to have any mounting holes in the underbody properly sealed to prevent possible entry of exhaust fumes, dirt or water. (See Engine Exhaust Gas Caution.)

MAINTENANCE

More frequent vehicle maintenance is required when using your car to pull a trailer.

Change the:

- Dexron automatic transmission fluid each 50,000 miles.
- Engine oil each 60 days or 3,000 miles, whichever occurs first,
- Positive crankcase ventilation valve each 12 months or 12,000 miles, whichever occurs first.

Check Automobile and Trailer Components Regularly—Trailer towing places extra stress on a

car's mechanical components. The steering, transmission, tires, brakes, engine, and cooling system and the electrical system should be in top operating condition before embarking on a trip. Here are some suggestions that can save you time, trouble and expense:

1. Check the hitch ball for wear. Keep it lubricated with a light coat of chassis grease. Inspect electrical connections for proper contact. Check condition of safety chains.
2. Inspect tires and maintain recommended pressures.
3. Check brake systems often. Make a few test stops before taking to the open road. Make certain both trailer and car brakes are operating properly.
4. Check brake lights, turn indicators, and running lights frequently.
5. Check all systems having a specified fluid capacity regularly for proper level.
6. Check that your car is not overdue for important services such as oil change, engine

tune-up, wheel alignment, and wheel balancing.

7. Check cooling system to see that it is clean and rust-free.

HITCHES

To assist in attaining good handling of the car-trailer combination, it is important that trailer tongue load be maintained at approximately 10% of the loaded trailer weight. Tongue load can be adjusted by proper distribution of the load in the trailer and can be checked by weighing the loaded trailer and then the tongue.

Adjusting Load Equalizer Hitch If Your Cadillac Is Equipped With Automatic Level Control

IMPORTANT: Vehicle must be curb weight. Curb weight means having full gas tank, spare tire in place, but no passengers or trunk load.

1. Exhaust all air from system as follows: Exhaust compressor tank using service valve. Exhaust shock absorbers by jacking rear of car above normal height. Hold until no further air is exhausted . . . about 2 minutes.

2. Install frame-mounted hitch and set ball height as specified by trailer manufacturer with all air exhausted as in Step 1 above.
3. Hook up trailer and adjust tension on equalizing bars per hitch manufacturer's specifications with all air exhausted as in Step 1. Note this adjustment.
4. Compressor will recharge the leveling system within 15 to 20 minutes of normal driving.
5. On all future trailer hook-ups, simply attach trailer with the equalizing bars set to the previously determined adjustment.
6. The procedure described above applies to all types of frame-mounted equalizing hitches.

BRAKES

If a trailer brake is to be used with your Cadillac make sure you follow the recommendations of the trailer brake manufacturer for installation of the components required for trailer brake actuation and balance. Refer to the preceding cautions (four and five) regarding car and trailer brakes.

All hydraulic components must be capable of withstanding 3000 psi. The hydraulic connection

must be made to the rear outlet of the brake master cylinder before the brake combination valve. Copper tubing is subject to fatigue failure and must not be used in such connections.

In general, direct connection of a trailer hydraulic brake system to the vehicle brake system will not meet these requirements, and, therefore, must not be used.

For optimum brake performance, the brake balance between the car and trailer must be adjusted.

TIRES

When towing trailers, tires should be inflated to the highest inflation pressure shown on the placard affixed inside glove compartment door. The allowable passenger and cargo load, also shown on the same placard, is reduced by amount equal to the trailer tongue load on the trailer hitch.

TRAILER TOWING TIPS

Towing a trailer with ease and safety requires a certain amount of experience before setting out on the open road. Always remember that the handling and braking characteristics of any car may be changed considerably by the added weight of the

trailer. Until you learn the "feel" and how to cope with these changes, it is important to drive with extra caution.

Before Starting—It is a good idea to practice turning, stopping, and backing in an area away from heavy traffic. This practice will help you gain experience in handling the extra weight and length of the trailer. Also, check lights, tires, and mirror adjustment.

Starting—Carefully check mirrors to observe traffic flow. It is a good idea to check the brakes of the car and the trailer before turning into traffic.

Turning—Remember that trailer wheels will be closer than car wheels to the inside on curves. Avoid soft shoulders, curbs, etc., by driving slightly beyond your normal turning point. Signal all turns. Avoid sudden maneuvers.

Passing—Allow extra distance for passing another vehicle. After passing, be sure you have ample clearance for trailer before returning to the driving lane. Always signal well in advance of each move.

Following and Stopping—Remember trailer weight may increase the distance required to stop.

For each 10 mph showing on the speedometer, allow at least one length of your car and trailer between you and the car ahead. You will need this "cushion" of space for emergencies and to allow faster traffic to pass safely. Avoid high speeds and sudden stops, and allow for unfavorable road conditions.

Backing—Skillful backing with a trailer requires practice. Try this easy method to help control direction: Keep your hand at the bottom of steering wheel. To move trailer left, move your hand to the left. To back to the right, move hand to the right.

Down Grades—On long or steep down grades, reduce speed and use a lower transmission range to assist braking as outlined in the transmission section of this manual.

Long Up-Hill Grades—When ascending long up-hill grades, the possibility of engine overheating can be reduced by down-shifting the transmission to DRIVE right or L (low).

Engine Overheating Warning Lights—Towing a trailer under exceptionally severe operating conditions may cause the red "STOP ENG-TEMP" or

"WATER" warning lights to come on. There are certain procedures to follow when an indicator light comes on:

- If the "STOP ENG-TEMP" light and an audible warning buzzer come on because of a mechanical failure in the cooling system, you should not drive the car until the problem is corrected.
- If the "WATER" light comes on during extreme driving conditions, you should pull over to the side of the road, turn off the air conditioner (if used) and run the engine slightly faster than idle speed with the transmission in neutral.

If the "WATER" light does go off, then proceed to drive but change driving conditions so as not to tax cooling system so severely.

If the "WATER" light does not go off within a short period of time (1-2 minutes), then turn the engine off and look for mechanical problems.

NOTE: If there is evidence of steam, do not open the hood until the steam disappears.

Open the hood to cool the engine down faster. Determine whether there is any mechanical

problem such as a loose hose, loose or missing fan belt, coolant loss, or radiator air flow restriction.

After running under extreme driving conditions do not immediately turn the engine off unless the "STOP ENG-TEMP" light is on. If the light is not on, put the transmission in neutral and run the engine slightly faster than idle speed for approximately one minute. This will reduce any tendency for the cooling system to "afterboil" which results in a loss of cooling system fluid.

Engine Cooling—Refer to "ENGINE COOLING" in Section 5 of this manual for cooling system recommendations and maintenance.

Parking — Parking of vehicle with trailers on a grade is not recommended. However, should this be necessary, the following sequence should be used:

1. Apply service brakes.

2. Have passenger place wheel chocks under trailer wheels.
 3. When chocks are in place, release service brakes until chocks absorb load.
 4. Apply parking brakes.
 5. Place transmission in PARK position.
- Reverse above sequence when starting.

Operation in foreign countries

Your Cadillac is designed to operate on fuel of approximately 91 research octane number or higher, sold in the United States and Canada.

If you plan to operate your Cadillac outside the continental limits of the United States or Canada, there is a possibility that the best fuels available are so low in anti-knock quality that excessive knocking and serious engine damage may result from their use. To minimize this possibility, write to Customer Services Department, Cadillac Motor Car Division, Detroit, Michigan 48232 (or in Canada write to General Motors of Canada

Limited, Customer Services Department, Oshawa, Ontario), giving:

- The vehicle identification number (on plate on instrument panel ahead of the steering wheel and visible through the windshield, or from registration slip or title).
- The country or countries in which you plan to travel.

You will be furnished information on the quality of fuels available in the countries in which you plan to travel. It is recommended that you not operate your Cadillac in any country not having fuels meeting the requirements of your Cadillac engine. Engine modifications are not available to compensate for low anti-knock quality fuels. Operation of your car under conditions of continuous or excessive knocking constitutes misuse of the engine for which the Cadillac Motor Car Division is not responsible under the terms of the Cadillac New Vehicle Warranty.

SECTION 2



STARTING AND OPERATING

General

From the very start, drive your new Cadillac in a normal manner at varying speeds, as required by different traffic and road situations.

Avoid extremely heavy duty operation such as towing trailers, excessive full throttle usage, or unnecessary heavy braking for the first 500 miles.

This section of the Owner's Manual explains the purpose and operation of the driving controls and the comfort and convenience systems available on your Cadillac. Knowledge of the function and controls of each system will help you enjoy this fine motor car.

Engine exhaust gas caution (carbon monoxide)

Avoid inhaling exhaust gases because they contain carbon monoxide, which by itself is colorless and odorless. Carbon monoxide is a dangerous gas that can cause unconsciousness and is potentially lethal.

If at any time you suspect that exhaust fumes are entering the passenger compartment, have the cause determined and corrected as soon as possible. If you must drive under these conditions, drive only with *all* windows *fully* open.

The best protection against carbon monoxide entry into the car body is a properly maintained

engine exhaust system, car body and body ventilation system. It is recommended that the exhaust system and body be inspected by a competent mechanic:

- Each time the vehicle is raised for oil change.
- Whenever a change is noticed in the sound of the exhaust system.
- Whenever the exhaust system, underbody or rear of the vehicle is damaged.

See your Maintenance Schedule folder for inspection procedure.

To allow proper operation of the car's ventilation system, keep front ventilation inlet grille clear of snow, leaves or other obstruction at all times.

SITTING IN A PARKED CAR WITH ENGINE RUNNING FOR AN EXTENDED PERIOD IS NOT RECOMMENDED.

Do not run engine in confined areas such as garages any more than needed to move vehicle in or out of area. When vehicle is stopped in an **UNCONFINED** area with the engine running for

any more than a short period, adjust heating or air conditioning system to force outside air into car as follows:

1. On cars equipped with air conditioning, set control lever to HI except in hot weather, in which case, set lever to AUTO.
2. On cars not equipped with air conditioning, set fan to medium or high speed and lower control lever to any position except OFF.

The trunk lid should be closed while driving to help prevent inadvertently drawing exhaust gases into the car. It is unwise to drive at high speeds for long durations with the trunk lid open. However, if for some reason the trunk must remain open for a period while moving, or electrical wiring or other cable connections to a trailer must pass through the seal between trunk lid and body, the following precautions should be observed:

- Close all windows.
- Adjust heating or air conditioning system to force outside air into car as described in items 1 and 2 above but with fan on standard heater set at high speed.

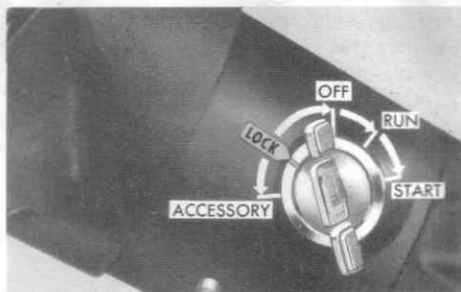
- On cars equipped with outside air vents in or under instrument panel, open vents fully.

Steering column controls

Anti-theft lock

The anti-theft lock, located on the right side of the steering column, has five positions:

- **Accessory**—Permits operation of electrical accessories when engine is not running. To engage, push key in and turn toward you (counterclockwise).
- **Lock**—Normal parking position. Locks ignition and provides added theft protection by preventing normal operation of steering wheel and shift controls. Key cannot be returned to "LOCK" position and removed until transmission is placed in "PARK".
- **Off**—Permits turning engine off without locking steering wheel and shift control.
- **Run**—Normal operating position (ignition "ON" position).
- **Start**—Permits engagement of starter.



IGNITION—STEERING COLUMN LOCK

NOTE: The anti-theft steering column lock is not a substitute for the parking brake. Always set the parking brake when leaving the car unattended.

If difficulty is experienced in turning the ignition key and lock knob to unlock the ignition, attempt to turn the steering wheel as hard as possible in the direction the wheels are turned. At the same time turn the ignition-lock knob in a clockwise direction with as much effort as you can apply with your own hand. Do not attempt to use a tool of any kind to apply additional force on the lock knob, as this could break the knob.

Parking

WHEN LEAVING YOUR CAR UNATTENDED

- Place automatic transmission selector in "PARK"
- Turn key to "LOCK" position.
- Set parking brake.
- Remove key (the buzzer will remind you.)
- Lock all doors.

Starting the engine

1. Apply the foot brake.
2. Place transmission selector in "P" or "N" ("P" preferred). A starter safety switch prevents starter operation while the transmission selector is in any drive position. (If it is necessary to re-start the engine with the car moving, place the selector lever in "N".)
3. Depress accelerator pedal and activate starter as follows for different conditions.

- **Cold Engine** — Fully depress accelerator pedal and slowly release. With foot off the pedal, crank the engine by turning the ignition key to the Start position — release when engine starts.

If engine starts, but fails to run, repeat this procedure. When engine is running smoothly (approximately 30 seconds), the idle speed may be reduced by slightly depressing the accelerator pedal and then slowly releasing.

CAUTION: Extended running of engine (5 minutes or more) without depressing accelerator pedal could cause damage to engine or exhaust system due to overheating.

- **Warm Engine** — Depress accelerator pedal about halfway and hold while cranking the engine.
- **Extremely Cold Weather (Below 0°F.) Or After Car Has Been Standing Idle Several Days** — Fully depress and release accelerator pedal two or three times before cranking the engine. With foot off the accelerator pedal, crank the engine by turning the key to the Start position and release when engine starts.

Proper engine oil viscosity is very important for easy cold weather starting. See Servicing Instructions, Section Five.

IF ENGINE FAILS TO START

Starting Flooded Engine — Hold the accelerator pedal all the way down and crank (not over 15 seconds at a time) until engine starts.

Transmission operation



SHIFT LEVER POSITION INDICATOR

Your Cadillac is equipped with a Turbo Hydramatic transmission.

The shift lever position indicator is arranged from left to right with "P" (Park), followed in sequence by "R" (Reverse), "N" (Neutral),

"DRIVE" (left and right positions) and **"L"** (Low). The automatic transmission is equipped with a starter interlock system designed to permit starting the engine only when the transmission selector is in park or Neutral position.

Shift Lever - It is necessary to pull the shift lever toward the steering wheel when shifting into and out of Park, when shifting out of Neutral into **"DRIVE"** or Reverse, when shifting from the left hand **"DRIVE"** position to either the right hand **"DRIVE"** or Low position.

TRANSMISSION RANGES

- **"P" Park** — Place selector lever in Park with car stopped to lock the car's drive wheels or start the engine. The selector lever must be in Park in order to turn ignition key to LOCK position and remove key.

When parking your Cadillac always place the selector lever in Park. In addition, apply the parking brake (under **"Floor Controls"**) and, if parking on an incline, turn the front wheels toward the curb.

- **"R" Reverse** — Select Reverse when you wish to drive the car backwards. Shift into Reverse only when the car is stopped.

- **"N" Neutral** — Select Neutral when necessary for brief engine idling or for restarting the engine while the car is coasting.
- **"DRIVE" range Left** — Place selector lever in left-hand **"DRIVE"** for all normal forward driving. The three-speed Turbo Hydra-matic transmission automatically selects the appropriate gear ratio for road and load conditions.
- **PASSING** — Press the accelerator down as required for the driving situation. The transmission automatically selects the appropriate gear ratio for car speed and power output.
- **"DRIVE" range Right** — Select right-hand **"DRIVE"** when road conditions are such that heavy pulling is encountered, for example on hills or soft road surfaces. This range is also useful when moderate engine braking is desired for descending hills. In this range, the transmission operates in first and second gear. Shift into right-hand **"DRIVE"** at any forward car speed or while stopped. Shift to the left-hand **"DRIVE"** position when normal driving is resumed.
- **"L" Low** — Operate the transmission in Low range when driving conditions require heavy

low speed pulling or maximum engine braking. The Low range may be selected while stopped or at any forward car speed, but the shift to first gear occurs only when car speed is less than approximately 40 miles per hour.

- **Engine Braking** — Use the right-hand **"DRIVE"** range or Low range for engine braking as described above.

CAUTION: Use caution when shifting into lower range or lower gear on slippery surfaces with vehicle moving—the abrupt engine braking action could cause the drive wheels to skid.

CAUTION: Before descending a steep or long grade, down a mountain or hillside, reduce speed and shift into a lower gear. Under such conditions, use the brakes sparingly to prevent them from overheating which reduces brake effectiveness.

REMINDER: Care should be taken to avoid sudden accelerations when both drive wheels are on a slippery surface, particularly in low gear. This could cause both drive wheels to

spin, and allow the vehicle to slide sideways either on a crowned road surface or during a turn.

Rocking the Car — Refer to instructions on "Freeing Car From Soft or Slippery Surface" in Section 3 of this Manual.

Turn signals—lane-change feature

You may signal your intention to turn or maneuver by operating the turn signal lever located on the left side of the steering column. The signal functions when operated with the ignition switch in the "RUN" position.



TURN, LANE-CHANGE SIGNAL LEVER

- **Left turn**—Move lever down until it clicks into position to continuously flash the left-hand parking light, taillight, and instrument cluster turn indicator light.
- **Right turn**—Move lever upward until it clicks into position to continuously flash the right-hand parking, tail, and turn indicator lights.

After the steering wheel has been turned a sufficient amount, returning the wheel to the straight-ahead position automatically cancels turn signal operation. The signal may also be canceled manually by moving the lever to the center or off position.

To signal maneuvers that require little movement of the steering wheel, such as changing lanes, you may move the turn signal lever in the desired direction far enough to meet resistance to movement without clicking into position. Hold the lever in this position to flash the turn signal lamps as long as necessary. Removing your hand permits the lever to return to the off position.

Hazard warning flasher

NOTE: For operation of HAZARD FLASHER, refer to Section 3 "In Case of Emergency."

Cornering lights

Cadillac front fender cornering lights operate in conjunction with the turn signals. When the turn signal is operating in either direction, with the headlights or parking lights on, the corresponding cornering light emits a steady sideward beam to provide additional illumination.

Back-up lights

The back-up lights in the rear bumper area provide lighting toward the rear of the car when the ignition switch is in the "RUN" position and the transmission selector lever is placed in "R" reverse position.

Power steering

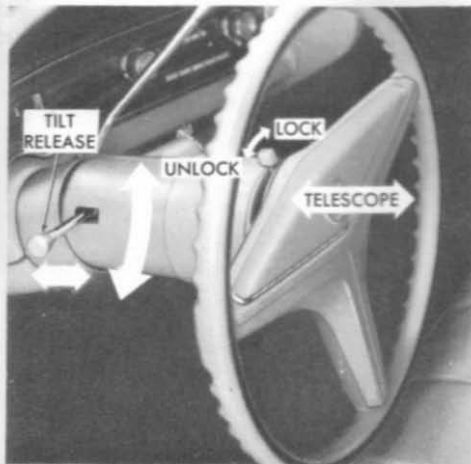
Cadillac's power steering provides ease in handling, parking and getting into or out of tight places. Power steering assist is provided by a hydraulic pump driven by the engine.

If the steering system power assist fails due to some malfunction, or because the engine has stalled, the car can still be steered. However, much greater effort is required, particularly in sharp turns.

Tilt and telescope steering wheel

Adjust the steering wheel on Cadillacs equipped with the Tilt and Telescope feature as follows:

- **TILT**—A small lever on the left side of the steering column, between the turn signal lever



TILT LEVER AND TELESCOPE LOCK KNOB

and the instrument panel, releases the tilt mechanism for adjustment.

To adjust steering wheel tilt, hold the steering wheel, pull the small lever toward you, move the steering wheel to desired angle (or let the spring within the column tilt it upward), then release the small lever.

The tilt mechanism locks in any of six positions. Tilt the steering wheel fully up for more convenient entry to and exit from the driver's seat.

- **TELESCOPE**—A knob located at the top of the steering column, where it meets the steering wheel, releases the steering column telescoping mechanism for adjustment. To lengthen or shorten the steering column within a three inch range, move the telescope lock-unlock knob fully left, push or pull the steering wheel to the desired position, and move the lock-unlock knob fully right.

Adjust the steering wheel tilt and telescope to provide the most suitable position for you.

Horn

The horn is actuated by depressing the steering wheel spoke pad. The pad is designed so that pres-

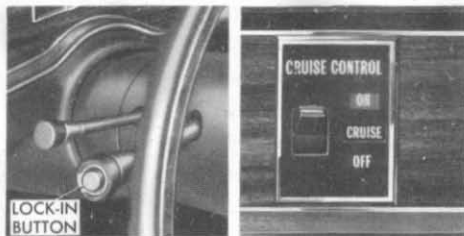
sure on any area except the extreme outer end of the spokes will actuate the horn.

Cruise control

The Cruise Control system (on cars so equipped) may be actuated to maintain cruising speeds above approximately 30 miles per hour. When in operation, the system controls engine power to maintain the desired cruising speed within the limits of engine power and engine braking.

For Automatic Speed Control:

- Move the control switch (located on instrument panel below fuel gage) to "ON" position. An amber glow behind "ON" indicates that the system is set for Automatic Speed Control.
- Accelerate to desired cruising speed.
- Momentarily depress and slowly release the lock-in button (located on end of turn signal knob marked "CRUISE"). Green letters in switch face labeled "CRUISE" glow, indicating that Cruise Control is locked in. Cruise Control now maintains car speed without foot pressure on the accelerator pedal.



CRUISE CONTROL BUTTON AND SWITCH

CAUTION: Do not use the Cruise Control when conditions are not suitable for maintaining a constant speed, such as in heavy or varying traffic, or on winding or slippery roads. With the Cruise Control engaged, releasing the accelerator pedal does not permit engine speed to return to idle.

When the system is set for Automatic Cruise Control:

- Car speed is increased for passing by depressing the accelerator pedal. The car returns to the pre-set speed when the pedal is released.

- Cruise speed is increased by accelerating to the desired new speed and momentarily depressing the lock-in button.
- Cruising speed is decreased by fully depressing the lock-in button and holding it in while the car speed decreases. When the desired lower speed is reached, release the button and the system will lock in at the new speed.

Automatic speed control is disengaged when the brake pedal is depressed. To re-engage, accelerate to desired cruising speed and momentarily depress the lock-in button and slowly release. The system will again engage.

Moving the control switch to the "OFF" position completely disengages the system. The system is also disengaged whenever the ignition is turned off.

Floor controls

Brakes

Your Cadillac is equipped with a power assisted brake system utilizing disc type front brakes and drum type rear brakes. The system has indepen-

dent hydraulic circuits for front and rear brakes and a warning light system to indicate a pressure loss in either part of the system. Additional warning light information and procedures are found under "Instrument Panel".

The warning light system is not a brake fluid level indicator. Fluid level must be checked visually at the recommended interval.

CAUTION: Driving through deep water may wet the brakes and adversely affect brake performance so that the vehicle will not slow down at the usual rate. Applying the brakes lightly will indicate whether they have been so affected. To dry them quickly, lightly apply the brakes while maintaining a safe forward speed with an assured clear distance ahead until brake performance returns to normal.

Automatic Brake Adjusters

- Cadillac brakes (except for the parking brake) are self-adjusting, designed to eliminate periodic brake adjustments.
- Rear drum brake adjustment is made automatically as the brakes are applied while car is moving backwards.

- Front disc brake adjustment is made automatically with each brake application.
- If excess brake pedal travel develops, drive alternately backward and forward several times and apply brakes firmly in each direction.
- See your dealer if normal pedal travel is not restored, or if there is a rapid increase in pedal travel, which could be a sign of other brake trouble.

NOTE: "Riding the brake" by resting your foot on the brake pedal when not intending to brake can cause abnormally high brake temperatures, excessive lining wear and possible damage to the brakes.

Power Brakes

- On your Cadillac if power assist to the brakes is interrupted due to a stalled engine or some malfunction, two or more brake applications can be made using reserve power.
- If the brake pedal is held down, the system is designed to bring the car to a full stop on reserve power. However, the reserve power is

partially depleted each time the brake pedal is applied and released.

- When reserve power is exhausted, the vehicle can still be stopped by applying greater force to the pedal.

In the event of power assist being lost, the use of both feet on the pedal is recommended. The power brake pedal is sufficiently wide to accommodate the use of both feet.

Braking on Hilly Terrain—The transmission is designed to supplement the braking system with engine braking when driving on hilly terrain. To decrease brake usage, place the transmission selector lever in right-hand "DRIVE" when descending medium grades and in the Low "L" range for maximum engine braking assist when descending steep grades. Avoid engine braking on slippery roads because the drive wheels could slide or skid.

Parking Brake

- To set parking brake, fully depress foot pedal at far left side.
- For maximum holding power, depress regular brake pedal with the other foot at the same time.

- With engine running, parking brake will remain set only when transmission is in "PARK" or "NEUTRAL".
- Parking brake is designed to release automatically when transmission selector is moved to any drive or reverse position with engine running.
- A distinct sound should be heard when pedal releases.
- Should it be necessary to release brake manually, raise hand release lever located on upper



PARKING BRAKE MANUAL RELEASE

right side of parking brake pedal assembly. (Never drive car with parking brake set, as this may overheat or otherwise damage rear brakes).

When pedal travel of the parking brake exceeds approximately five inches, it should be adjusted by your Authorized Cadillac Dealer.

When parking on hills, it is advisable to turn the wheels toward the curb, lock the drive wheels by placing the transmission selector in "Park" position and place the parking brake in its fully depressed position. Also, when leaving the car unattended, always place the selector lever in "Park" position and fully apply the parking brake.

CAUTION: Always shut off engine before leaving the car driver's seat unattended. This will prevent the car from moving unexpectedly if the shift lever is accidentally moved from the PARK position causing the parking brake to release.

Track master computer controlled rear wheel braking system

In cars equipped with Cadillac's Track Master System (identified on brake pedal) normal braking procedures should be followed. Additionally, drivers should be aware that when the ignition switch is turned to start, the system cycles one time, causing a definite sound. During maximum braking, a pulsing sensation may be experienced on some road surfaces. This sensation is due to the normal operation of the Track Master System functioning to prevent sustained rear wheel lock-up.

Track Master is designed to improve vehicle controllability during maximum braking and will also provide improvement in vehicle stopping capability under many road conditions.

REMINDER: Drivers should remember that the Track Master System controls only the rear wheels, and that during maximum braking front wheel lock-up could still occur, just as it might with any car. Since front wheel lock-up causes loss of steering capability, the

brakes should be "pumped" in those cases where steering control is more important than the shortest stop.

As with regular brakes, if the brake system warning light glows red, it indicates there is a malfunction in some portion of the brake system (see "BRAKES" warning light information under "Instrument panel").

Instrument panel

The instrument panel contains instruments, dials, and controls necessary for the operation of many of the standard and accessory features. Review the instructions and illustrations contained in this portion of the Owner's Manual to acquaint yourself with the proper use of these instruments and controls.

Instruments

FUEL GAGE—The fuel gage (located to the left of the speedometer) indicates properly only with ignition on. The fuel gage pointer is of the balanced type and, with ignition off, may not

return to "E" (Empty) but may stop at any point on the dial.

Speedometer and odometer

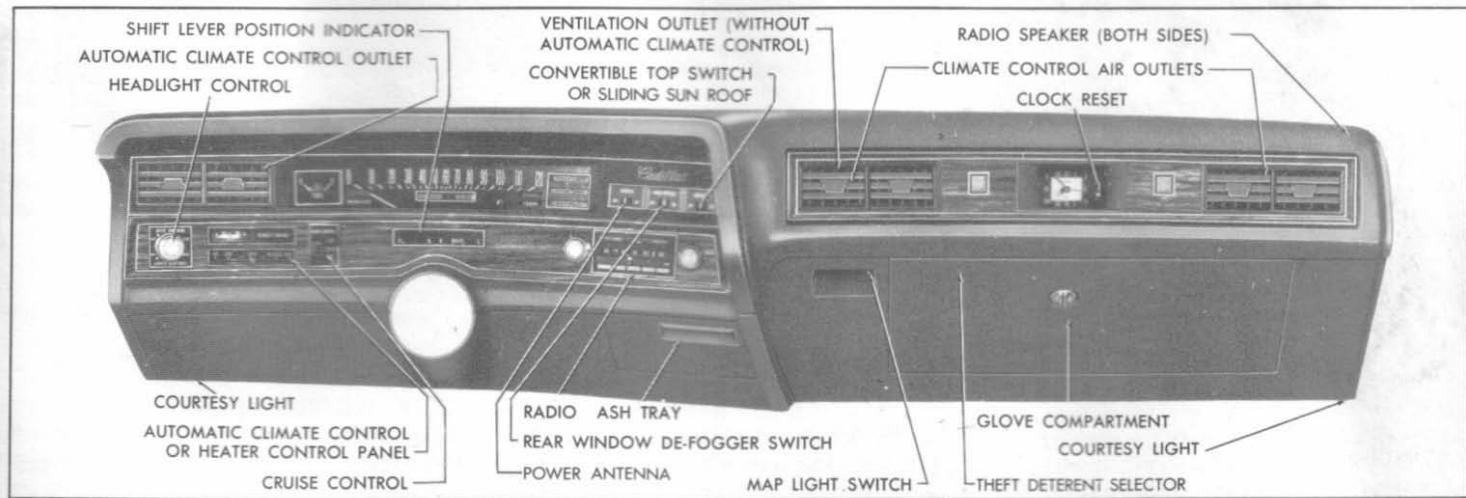
- The speedometer needle indicates car speed.
- The left-hand odometer (five digit) records the car's total mileage.

- The right-hand odometer (four digit) may be set to 000.0 so that trip mileage may be recorded. To reset the trip odometer, the reset knob (located at the speedometer lens to the right of the trip odometer) is pushed in, turned clockwise until all zeros appear, and turned further until all zeros appear a second time.

Indicator lights

If an indicator light warns you of a condition that may require immediate correction, contact an Authorized Cadillac Dealer for service.

"FASTEN SEAT BELTS" Light (Red)—Operation of the seat belt reminder light and buzzer is de-



INSTRUMENT PANEL

scribed in the first section of this manual under "One buckle lap/shoulder belt system".

"BRAKES" Light (Red)—Brake system warning light—The service brake system is designed so that half of the brake system will provide some braking action in the event of a hydraulic leak in the other half of the system. If the red warning light located on the right side of the instrument cluster glows continuously when the ignition is on and after the brakes have been firmly applied, it may indicate that there is a malfunction in one-half of the brake hydraulic system.

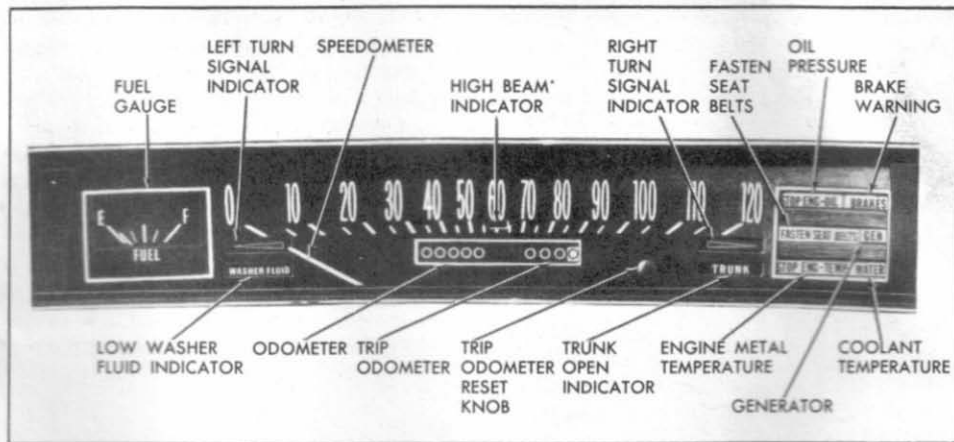
- The light should glow during engine starting to verify that the bulb is operating properly.
- Have system repaired if light does not come on during check.
- This warning light is not a substitute for the visual check of brake fluid level required as part of normal maintenance.

If the light glows red:

- The service brake system is partially inoperative.

What To Do:

1. Pull off the road and stop, carefully - remembering that:



INSTRUMENT CLUSTER

- Stopping distances may be greater.
- Greater pedal effort may be required.
- Pedal travel may be greater.

2. Try out brake operation by starting and stopping on road shoulder - then:
- If you judge such operation to be safe, proceed cautiously at a safe speed to nearest dealer for repair.

- Or have car towed to dealer for repair.

Continued operation of the car in this condition is dangerous.

"STOP ENG-OIL" Light (Red)—This indicator (located at right of speedometer dial) illuminates with ignition in RUN position when engine oil pressure is too low for engine operation. This light normally illuminates during engine starting and

switches off when the engine is running. This provides a check of bulb operation.

- If the "STOP ENG-OIL" light illuminates while the engine is running, stop the engine and do not operate it until the cause of low oil pressure is corrected.

"STOP ENG-TEMP" Light (Red)—This indicator (located at right of speedometer dial) illuminates if engine metal temperature is excessive. Light operation is accompanied by a warning buzzer. This light normally illuminates when the ignition key-buzzer system operates (key in ignition lock, ignition off, and driver's door open). This provides a check of bulb operation.

- If the "STOP ENG-TEMP" light illuminates while the engine is running, stop the car and engine as quickly as possible and have the cause of overheating corrected. Continued driving may cause engine damage. Do not open hood if steam is present.

"WATER" Temperature Light (Red)—This indicator (located at right of speedometer dial) illuminates if engine coolant temperature is exces-

sive. This light normally illuminates during engine starting (as a check of bulb operation) and may illuminate briefly when restarting the engine after a short stop.

- If the "WATER" light illuminates while the engine is running, the car should not be driven until cause of overheating is corrected. If, during extreme driving conditions, the light illuminates, the engine may be cooled by holding engine speed slightly above idle for up to two minutes with transmission selector in "N" (Neutral) and air conditioning off. If light remains on, stop engine.

REMINDER: Do not remove radiator cap. See engine cooling information in Service and Maintenance Section.

"GEN" Light (Red)—This indicator (located at right of speedometer dial) illuminates when the generator is not charging during normal engine operation. This light normally illuminates during engine starting and goes out when the engine is running, providing a check of bulb operation.

- If the "GEN" light illuminates while the engine is running, have the cause of insufficient charging corrected as soon as possible.

"WASHER FLUID" Light (Amber) See "Monitor System".

"TRUNK" Light (Amber) See "Remote Control Trunk Lock".

Windshield wipers and washers

The windshield wiper and washer control (located on driver's door at instrument panel) operates the washer and concealed wiper system electrically. Control illumination is provided when instrument panel lights are on.

Operation

- Clear ice or packed snow from wiper blade concealment recess at rear of hood before operating wipers. Carefully loosen or thaw wipers that are frozen to windshield or lower molding.

- Place control lever in "LO", "MED", or "HI" for continuous operation at the selected speed.
- Return switch to "OFF" to stop wiper operation and to "park" the wipers.
- For a single wiping cycle, move lever to "MIST" position, hold until wipers move out of park position and begin wiping, then release lever. Blades re-park after one cycle. For several cycles, hold lever in "MIST" as long as necessary.
- Press "WASH" button (below wiper lever) and release to activate "LO" wiper speed and



WIPER-WASHER CONTROL

to direct a quantity of washer fluid to the windshield. Move wiper lever to "OFF" after wash cycle is completed.

Operating Tips

- Check washer fluid level regularly - do it frequently when the weather is bad.
- Use A fluid such as GM OPTIKLEEN to prevent freezing damage, and to provide better cleaning.
- Do not use radiator anti-freeze in windshield washer; it could cause paint damage.
- In cold weather, warm the windshield with defrosters before using washer to help prevent icing that may seriously obscure vision.
- Do not operate windshield wipers when glass is dry.

Monitor system

WASHER FLUID LOW LEVEL INDICATOR

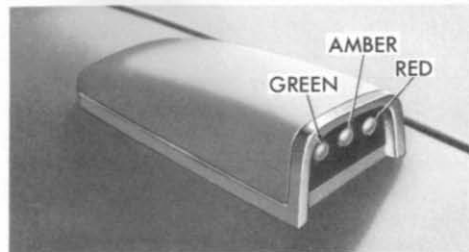
The amber "WASHER FLUID" light (on cars so equipped) is located on the instrument cluster to the right of the fuel gauge. This indicator illuminates during wiper operation if the washer fluid reservoir is less than approximately one-third full.

LAMP MONITOR SYSTEM

The lamp monitor system (on cars so equipped) indicates that certain lights are functioning by conducting light from the lamp unit to a visual monitoring unit. A monitor unit for the headlights and turn signal is located on top of each front fender. A monitor unit for tail, stop and rear turn signals is located on the headliner above the rear glass.

Front Monitor

- Parking light, turn signal, and hazard flasher operation is indicated by illumination of the amber lens.
- Low beam headlight operation illuminates the green lens.



LEFT FRONT LAMP MONITOR



REAR LAMP MONITOR

- High beam headlight operation illuminates the red lens.

Rear Monitor

- Taillight operation on left or right side illuminates the corresponding red lens.

Turn signal, hazard flasher, and brake light operation is indicated by increased light intensity from the corresponding monitor lens.

Lights

LIGHT CONTROL—The control knob for the headlights, tail lights, parking lights, license lights, side marker lights and instrument panel lights is

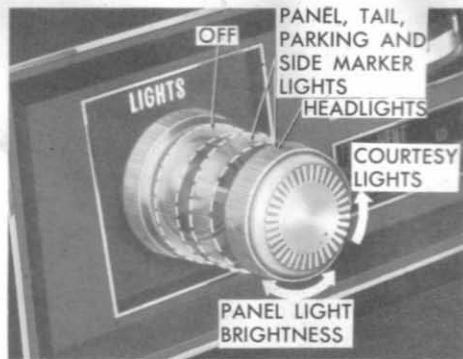
located on the lower left hand corner of the instrument panel.

Switch Position

- Fully in toward dash - all lights off.
- Out to first stop - all lights except headlights on.
- Fully out - all lights on (headlamp beam depends on foot switch position).
- Rotate knob to adjust instrument panel light brightness.
- Rotate knob fully counterclockwise (past stop) to operate courtesy lights.

A circuit breaker in the light switch protects the headlight circuits. If the headlights begin to "flicker" on and off, have the headlamp wiring checked immediately.

Headlight Dimmer Switch—The headlight dimmer switch (located on left side of floor below parking brake pedal) is operated to select low beam (outer headlights) or high beam (four headlights).



LIGHT SWITCH

- Press dimmer switch with foot once to change beams (headlights switched on).
- The blue indicator light (located on speedometer dial below the 60 mph mark) illuminates when headlights are operating in high beam.

Side marker lights and reflexes

Your Cadillac is equipped with front and rear side marker lights that provide additional side identification so the car is more visible to other motorists

at night. Whenever the headlights or parking lights are on, the front (amber) and rear (red) side marker lights are on.

The rear reflexes are mounted on the rear bumper. The side reflexes are located in the front and rear fenders.

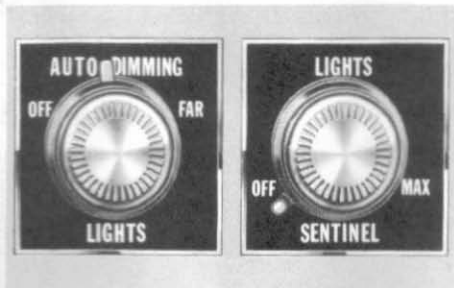
Guide-matic headlight control

The Guide-Matic Headlight Control (on cars so equipped) switches the headlights automatically while driving in darkness.

Operation

- Set control ring pointer on headlight control to "OFF" position.
- Select high beam with the foot operated dimmer switch.
- Set control ring pointer on "FAR". Oncoming headlights will cause the system to dim your headlights automatically.

After traffic passes, move pointer slowly away from "FAR" until lights switch to high beam. The system is then set for automatic dimming at maximum distance.



GUIDE-MATIC

TWILIGHT SENTINEL

- To delay dimming until oncoming traffic is closer, rotate control ring pointer farther away from "FAR".
- For non-automatic control of headlight beam, rotate pointer to "OFF" and use the foot dimmer switch.

Tips:

- If Guide-Matic has not switched to "DIM", you may dim the headlights with the foot switch while the system is on automatic high beam.
- High beams can be switched on momentarily for signaling when the system is in automatic

low beam by applying slight downward pressure to the foot dimmer switch.

Twilight sentinel

The Twilight Sentinel system (on cars so equipped) senses outside light and automatically turns the headlights on as darkness approaches, and turns them off as daylight resumes. The system also turns the headlights off after a time delay period when the car is parked in darkness. The delay feature allows you to lock your car and use the illumination of the exterior lights for a pre-set period, after which the lights will turn off automatically.

Operation:

- Automatic headlight operation — With headlight switch pushed fully in, rotate control ring pointer on headlight control to the right of "OFF". Lights automatically switch on or off according to the amount of outside light.
- Time delay shut-off — rotate the control ring pointer to "MAX" to obtain a shut-off time delay of 1½ to 4½ minutes. Rotating the pointer closer to "OFF" reduces the time delay period. The minimum delay is obtained

with the pointer next to "OFF". With the manual light switch knob pushed fully in and ignition off or locked, the exterior lights will switch off automatically after the time delay has elapsed.

Tips:

- Do not cover the light sensing unit located under the left front radio speaker grille.
- For additional light to one side of the car during the time delay period, operate the turn signal lever to turn on the cornering light desired.
- If the manual light switch is left "on" while parking, a buzzer sounds to remind you to switch the lights off. The buzzer operates when the manual light switch is on, ignition is off or locked, and any car door is opened (or courtesy light switched on).

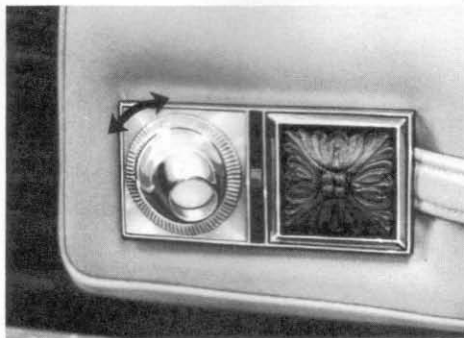
Courtesy lights

Courtesy lights are located in the following places: door armrests, under the instrument panel at each side; and, on coupes and sedans, each interior rear side roof panel. The Eldorado Convertible has courtesy lights in the rear armrests.

- Courtesy lights are operated by opening any door or by turning the headlight control knob fully counterclockwise.

Fleetwood Sixty Special Brougham—directionally adjustable reading lights (located on the right front door and each interior side roof panel) are operated individually by a switch below the swiveling lamp unit.

Fleetwood Seventy-Five—combined courtesy and reading lights are located in the rear air conditioning ceiling outlets. Individual switches are located above the rear armrests.



BROUGHAM READING LIGHT

On the **Limousine** style, only the rear door(s) operate the rear courtesy lights.

A front compartment reading light (located between the sun visors) on the Limousine style is part of the front courtesy light system controlled by the headlight switch knob or front doors.

Vanity mirror

An illuminated vanity mirror-sunshade is available for the right hand passenger. To use the mirror,



VANITY MIRROR

rotate the sunshade down and swing the mirror cover upward, exposing the mirror and switching the lamps on automatically. Adjust lamp intensity with the high-low selector switch below the right lamp. Swinging the sunshade fully forward directs the light downward for reading. Switch lamps off by closing mirror cover after use.

Map light

A map light is located below the center air outlet on the dash. It is operated manually by a switch on the right side of lens; or automatically by operation of the courtesy lights.



MAP LIGHT MANUAL SWITCH

Electric clock

The electric clock (located on the passenger side of instrument panel) is self-winding and self-regulating. Resetting the hands of the clock forward simultaneously regulates the clock to run approximately 20 seconds per day faster, and resetting the hands backward regulates it to run 20 seconds slower.

- Always reset the hands in the direction you wish to regulate the clock. Reset by pushing the reset knob in fully and turning in desired direction until correct time is set. A slight movement accidentally made in the opposite direction will regulate the clock in that direction.



CLOCK RESET

- If more than 20 seconds per day regulation is desired, reset the hands after six hours have elapsed.

Litter receptacle

The litter receptacle, located to the right of the front passenger foot area, may be removed by pulling it rearward and disengaging it from two retaining studs. Reinstall it by engaging the front stud first, then the rear stud. Push receptacle forward until positioned correctly.



LITTER RECEPTACLE

Ash tray and lighters

An illuminated cigar lighter-ash tray unit is located on the instrument panel below the radio area.

- Pull at finger recess to open instrument panel ash tray.

A separate lighter-tray unit is located in the right front armrest.

- Open lid for access to armrest ash tray. Lighter-tray units are also located in the rear seat passengers' armrests (ash trays only on Calais models).
- Remove ash receptacle on all units by grasping the snuffer and pulling up.

Fleetwood Seventy-Five

Rear door armrests contain lighter-ash tray units for the rear seat and auxiliary seat passengers.

Thermometer

The thermometer (on cars so equipped) is an integral part of the left-hand outside rear view mirror. It will indicate outside air temperature most accurately while the car is being driven. When the car is



OUTSIDE THERMOMETER

stopped, direct sunlight on and lack of air movement around the thermometer-mirror unit will cause the thermometer to indicate a higher-than-actual temperature.

Ventilation system

Your Cadillac incorporates a ventilation system that provides improved ventilation comfort made possible by the addition of air vent provisions in the rear body lock pillar. Another feature of the system is continuous low-speed operation of the heater and air conditioner blower, resulting in an uninterrupted supply of outside air flow into the car whenever the ignition switch is on.

With the side windows closed, outside air will flow into the front grilles, through the car and out the rear air exhaust valves.

BASIC OPERATING TIPS:

- Always keep front inlet grille clear of obstructions (leaves, ice, snow, etc.).
- When heating or air conditioning is desired, best comfort is attained by driving with all windows closed.

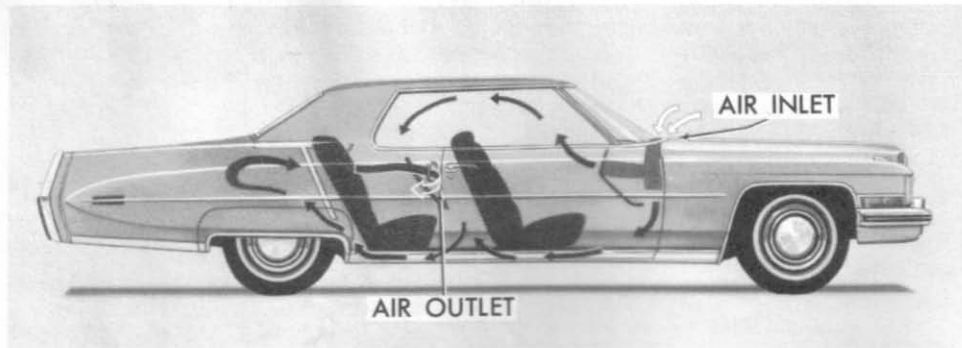
The following instructions provide additional operating tips for obtaining maximum heating and cooling comfort. (See also Engine Exhaust Gas Caution at beginning of this Section.)

CONTROLS

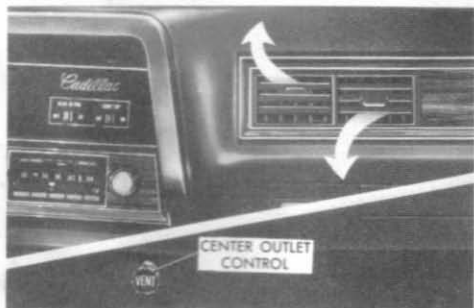
Non-Air Conditioned Cars—Separate control knobs for the lower level ventilation outlets are located in each side trim panel below the instrument panel.

A knob for controlling air flow through the upper level instrument panel outlet is located at center lower edge of instrument panel.

- Pull knob to open ventilator.



VENTILATION AIR FLOW



VENT CONTROL - CENTER OUTLET

Air Conditioned Cars—The ventilation control is integral with the controls for the Climate Control System.

Automatic climate control

The Automatic Climate Control air conditioning system controls heating and air conditioning automatically to maintain comfort in the passenger compartment. This system is standard on the Fleetwood Seventy-Five Sedan and Limousine and is available on all other models. With the controls

set for heating or air conditioning, the system turns on automatically and controls the volume and temperature of the air discharged through the instrument panel and heater outlets.

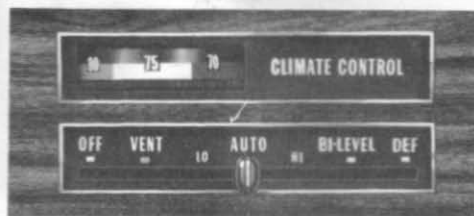
Controls—The control panel (located on the instrument panel just to the left of the steering column) is illuminated when instrument panel lights are on. The temperature dial is color coded for quick reference to the interior temperature selected. The white area of the dial includes those temperatures normally considered comfortable. The red and blue areas respectively include the warmer and cooler temperature settings.

INITIAL SETTINGS

- Set color coded temperature dial to desired in-car temperature.
- Set control lever to desired type of system operation.
- Direct the instrument panel outlets by moving the outlet knob up, down, or sideways in the direction of desired air flow.

CONTROL LEVER POSITIONS

"OFF"—The compressor is disengaged but the system blower will operate at low speed for ventilation when car interior or engine is warm.



AIR CONDITIONING CONTROLS

VENTILATION

"VENT"—The blower operates at low speed delivering outside air through the dash outlets for positive ventilation and air circulation. The temperature dial is ineffective.

Fleetwood Seventy-Five Sedan and Limousine—Operation with the front control in the "VENT" position on Fleetwood Seventy-Fives is the same as on all other models. However, with the rear system "ON", the compressor operates so that when the front system is in the "VENT" position, cold air is supplied from instrument panel outlets at a low blower speed.

HEATING OR COOLING

"LO"—The blower operates at fixed low speed to deliver air tempered according to the heating or

cooling requirements set on the control dial. Temperature control is automatic within the limits of the "LO" mode of operation.

"AUTO"—The blower automatically operates at varying speeds. As in-car temperature approaches the temperature setting on the control dial, blower speed is reduced. Temperature control is automatic. In cold weather, air will be delivered from the heater outlet at floor level. In warm weather, air will be delivered from the grilles in the instrument panel. In some intermediate conditions, air will be delivered both from the heater and dash outlets. "AUTO" has more heating-cooling capability than "LO".

"HI" — The system operates as in the "AUTO" setting except at a fixed high blower speed for maximum heating-cooling capability. During hot weather the "HI" setting can recirculate up to 80% of the car interior air for fast cooling. Also, use "HI" for the fastest interior warm-up in winter, to reduce fogging, or to obtain the most uniform temperature throughout the car interior.

"BI-LEVEL"—At this setting the system delivers tempered air both from the instrument panel outlets and the heater outlets. In-car temperature is

controlled automatically. This setting is suggested for mild weather operation and for minimizing fog formation on the side windows. Close center instrument panel outlet and direct outer outlets toward side windows for fog removal.

WINDSHIELD DE-FOGGING AND DEICING

"DEF"—This position delivers maximum air volume to the windshield immediately. Set temperature dial at 85 for maximum temperature air. Use "DEF" to defrost, deice, or de-fog the windshield.

OPERATING TIPS

- Controls may be left at a comfortable setting without further adjustment each time the car is driven until you wish to change either the temperature setting or mode of operation.
- Instrument panel center and right outlets may be closed by moving control knobs fully left. To close left outlet, move knobs fully right.
- In cold weather the system delays operation (except in "DEF") until engine coolant is warm.
- Adjust temperature dial a few degrees at a time.

- To help cool a very warm interior, open the windows for the first few minutes of system operation.

When conditions are such that ice or fog either has formed or could form on car windows, perform the following before driving:

- Clear snow and ice from hood and air inlet in front of windshield to improve heater and defroster efficiency and reduce the probability of fogging on inside of windshield.
- Clear windshield, rear window, outside mirrors and all side windows of ice and snow before driving vehicle.
- Operate system on "HI" for a few seconds before moving the vehicle, to clear the intake ducts of snow.

Fleetwood 75 automatic climate control

Individually controlled front and rear Automatic Climate Control systems are used on Fleetwood Seventy-Five cars. Operating instructions for the front system, as previously explained, also apply to these vehicles. The rear system is a completely separate system with a heater, blower and evapora-



FLEETWOOD 75 REAR CONTROLS

tor assembly mounted in the trunk. Also, an automatic rear window de-fogger is integral with the rear system.

Rear system controls—The controls for the rear system are located behind a sliding cover on the right rear trim panel above the armrest. Illumination is provided for this area when headlights are on.



FLEETWOOD 75 CEILING OUTLET

- Place control switch in "ON" position.
- Set temperature dial at desired in-car temperature.
- In warm weather, set the hinged outlet door in each ceiling outlet as desired to direct air toward rear seat passengers.

Heating

On cars not equipped with air conditioning, the heating system draws outside air from an opening at the base of the windshield, circulates it through a heating unit located on the right side of the cowl and discharges it into the passenger compartment from a distributor located behind the center of the instrument panel just above the floor. In normal heater operation most of this air is directed to the floor with a fixed percentage continuously diverted to the windshield to prevent fog formation. When more de-fogging or de-icing capacity is required, almost all the air can be directed to the windshield.

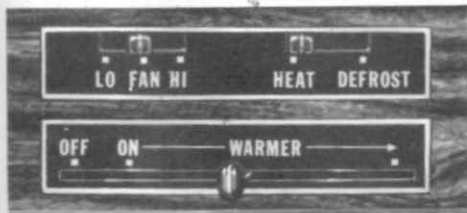
HEATER CONTROL OPERATION

The heater controls are located on the instrument panel to the left of the steering column. The con-

trols are illuminated when instrument panel lights are on.

HEATING

- Move lower lever to the right to increase the temperature of air delivered by the heater (dependent on engine temperature). Move lever to left to reduce temperature. Full left position provides unheated air.
- Set "FAN" lever as needed for heating requirements. Set fan lever on "HI" for maximum heating, minimum window fog, or to obtain the most uniform interior temperatures.
- Set "HEAT-DEFROST" lever in "HEAT" position for normal heating.



HEATER CONTROLS

DE-ICING, OR DE-FOGGING WINDSHIELD

- For maximum defrosting, set all control levers fully right to provide "HI" fan speed, warmest air delivery and maximum airflow to windshield. Fan speed, temperature and defroster airflow may be reduced by moving corresponding controls to the left.

When conditions are such that ice or fog either has formed or could form on car windows, perform the following before driving:

- Clear snow and ice from hood and air inlet in front of windshield to improve heater and defroster efficiency and reduce the probability of fogging on inside of windshield.
- Clear windshield, rear window, outside mirrors and all side windows of ice and snow before driving vehicle.
- Operate blower on "HI" for a few seconds before moving the vehicle, to clear the intake ducts of snow.

Rear window de-fogger

The rear window de-fogger (on cars so equipped) is controlled by an illuminated switch located on the



REAR WINDOW DE-FOGGER SWITCH

instrument panel above the radio. All models, except the Fleetwood Seventy-Five models use an electrically warmed rear window. (The Seventy-Five rear window de-fogging system is integral with the rear climate control system.) The de-fogger system may be operated with the ignition switch in RUN position.

- **Operation:** press the switch lever to the "ON" position and release (returns to center position). The system warms the rear window for approximately ten minutes and switches off automatically. Pressing switch to "ON" during system operation does not extend operating time. The system may also be turned off by pressing the switch lever to "OFF" and releasing it or by turning the ignition switch off.

Do not scrape the inside surface of the electrically warmed rear window because the element could be damaged. Avoid placing decals or stickers on the inside of the window because removal may require scraping.

Radios

The radio (on models so equipped) is located to the right of the steering column on the instrument panel. The standard antenna consists of fine wires imbedded between the inner and outer layers of windshield glass.

CONTROLS — ALL RADIOS

For control location, refer to the illustration of the type of radio installed in your Cadillac.

- **ON-OFF-VOLUME** turn clockwise to switch radio on and to increase volume. Turn fully counterclockwise for OFF. Ignition must be in the RUN or ACCESSORY position to operate the radio.
- **TONE**-turn clockwise to increase treble tones, and counterclockwise to increase bass tones.
- **MANUAL TUNER**-turn knob to manually select stations and to fine tune.
- **SPEAKERS**-turn counterclockwise to



AM-FM RADIO

increase volume of front speakers and clockwise to increase rear speaker(s) volume. "Balance" is obtained when you hear front and rear speakers equally.

- **BAND SELECTOR**-move selector fully right for AM stations and fully left for FM.
- **PUSH BUTTONS**-push fully in to select a preset station. To preset a station on each push button:
 - a. Select desired band - AM or FM.
 - b. Manually tune desired station for best reception.
 - c. Choose the push button you wish to use for that station, pull it straight out, and push it slowly and firmly all the way in.

NOTE: Do not move the AM/FM band selector while any push button is pulled out or damage to the radio could occur.

- d. Five AM stations, plus five FM stations, may be preset on the push buttons.

FM reception — FM reception is normally static free. However, static may be experienced while in the vicinity of equipment emitting radio interference or while operating in the "fringe" area beyond the effective "line of sight" range of the FM radio station.

POWER OPERATED ANTENNA

The power operated antenna (on cars so equipped) extends to a height of approximately twelve inches above the right front fender when the radio is turned on. The antenna may be raised to approximately 34 inches or lowered for best reception by operating the **ANTENNA** switch on the panel above the radio. Do not attempt to fully lower antenna manually as it reverses direction when tip nears fender.

Extend the antenna fully for best AM and fringe area FM reception. If static or interference is experienced within the effective range of an FM station, adjust the antenna height to minimize interference.

Turning the radio or ignition switch off lowers the antenna completely and renders the



POWER ANTENNA CONTROL

ANTENNA switch inoperative. Lower the antenna to help prevent it from contacting objects that could cause damage such as overhanging branches or when entering garages with low clearance.

Do not attempt to change antenna height by pulling or pushing antenna mast . . . damage could result.

SIGNAL SEEKING STEREO RADIO

- **SELECTOR BAR** — press and release to change stations. The selector automatically stops at the next station on the dial after releasing bar.
- **SENSITIVITY SWITCH**
Left position - tuning selector stops at the strongest stations in your area.
Center position — tuning selector stops at all usable stations.

Right position — when using the FM band, tuning selector stops at FM stereo stations. When using the AM band, selector stops at most local AM stations.

- **FLOOR SWITCH** — the driver can depress the remote foot switch (on cars so equipped) to change stations without taking a hand off the steering wheel. The switch is located on the floor to the left of the brake pedal. Remote control is available as a dealer installed accessory for the signal seeking radio.

Stereo reception — When tuned to an FM stereo station, the word "STEREO" in the radio face glows. Stereo reception is only possible, however, if that station is making a stereophonic transmission at that time. Fine tune the radio manually and balance the front and rear speakers for the best stereo operation.



SIGNAL SEEKING STEREO RADIO



FLEETWOOD 75 REAR RADIO CONTROLS

SERIES SEVENTY-FIVE REAR SEAT RADIO CONTROLS

Rear seat radio controls are available on Fleetwood Seventy-Five models equipped with an AM/FM signal seeking stereo radio. The controls are located behind a sliding cover on the right rear trim panel above the armrest. Illumination is provided for the area when headlights are on.

CONTROLS

- **OFF-ON VOLUME Knob** — turning the knob clockwise turns the radio on or switches control to the rear seat. The rear speakers operate only with the rear control on. Control operation is the same as the corresponding knob on the radio unit.

- **SELECTOR Button** — the selector button glows red to indicate that the radio is being operated by the rear control. To change stations, press the selector button momentarily and release. This control operates in the same manner as the selector bar at the radio.

- **SENSITIVITY CONTROL** — Rotate control ring behind off-on volume knob fully counterclockwise to permit the tuner to stop on the most powerful stations in your area. Rotate it clockwise to the intermediate position to stop the tuner on all usable stations. Rotate the ring fully clockwise to select FM stereo stations or most local AM stations depending upon the band that has been selected at the radio dial.

With the rear seat radio controls on, the driver may reduce or increase the volume of the front speaker with the ring behind the right control knob, tune the radio manually or with the push buttons and change the AM-FM frequency bands. The radio can be operated normally with the front controls when the rear controls are turned off.

Integral am-fm stereo radio— tape player

A Stereo Tape Player, integral with the AM-FM Stereo Radio is available for all Cadillac models. This combination provides tape recorded stereo music to add to your driving pleasure.

The radio portion of this unit is similar to the stereo radio previously described, except it has no signal seeking feature. The word "STEREO" at the right side of the slide bar band selector glows amber when the radio is turned to an FM stereo station.

The tape unit uses a standard eight-track stereo tape cartridge containing four entertainment programs. A complimentary tape is provided with each integral AM-FM stereo tape player.

Tape Player Operation

- Fully insert tape cartridge (label side up and open end forward) through the swing-away radio dial. System operation switches from radio to tape automatically. Without further



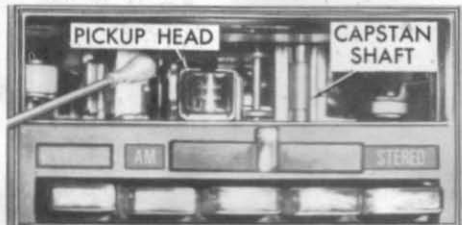
STEREO RADIO-TAPE PLAYER

control operation, the unit plays continuously through all four programs in the cartridge.

- To select the next program on the tape, depress and release the left control knob.
- Release cartridge by pulling the left control knob while unit is operating. Always release cartridge prior to turning unit off.

TAPE CARTRIDGE CARE

- Never leave tape cartridge inserted in operating position with tape player inoperative.



CLEANING TAPE PLAYER

- Store tape cartridges where they will not be exposed to high temperature, direct sunlight, tape abrasion or dirt.
Suggestion—Use only high quality tape cartridges.

TAPE PLAYER CARE

The pickup head and capstan shaft of either the integral or separate tape player should be cleaned each 100 hours of operation with a swab moistened in rubbing alcohol. Access is through the tape door.

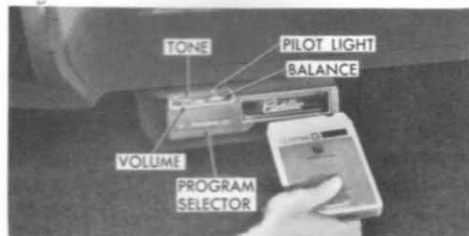
Stereo tape player

A separate Stereo Tape Player is available as a dealer installed accessory for all Cadillac radios.

The tape unit uses a standard eight-track stereo tape cartridge containing four entertainment programs. A complimentary tape is provided with each stereo tape player.

Operation

- Insert tape cartridge through swing-away cartridge door with label side up and open end forward. The player is switched on and the radio (if on) is switched off automatically. A pilot light on the player illuminates to indicate system operation. Without further control operation, the unit plays continuously through all four programs in the cartridge.
- To select the next program on the tape, press and release the PROGRAM SELECTOR bar.



STEREO TAPE PLAYER

- Adjust VOLUME control (front control) as desired.
- Adjust the TONE control (rear control) as desired - counterclockwise to increase bass tones and clockwise to increase treble tones.
- Relative front to rear speaker volume proportion is adjusted by setting the BALANCE control.
- Remove cartridge by pulling it out of tape player.

Mobile radio transmitters

Mobile radio transmitting equipment is subject to Federal Communications Commission regulations and must be installed by a qualified radio technician. The specific installation instructions for radio transmitters will vary depending upon the radio equipment used. Mobile telephone equipment installed by your local telephone company, citizens band radios, and electronic garage door openers will not adversely affect vehicle operation. In the event any other type of mobile radio transmitter is to be installed, further instructions are required so that vehicle operation will not be

adversely affected. Contact the Customer Services Department, Cadillac Motor Car Division, Detroit, Michigan 48232. (In Canada, contact Product Service Department, Oshawa, Ontario.)

Other controls and features

Controlled differential

The Controlled Differential (on cars so equipped except the Eldorado) provides additional traction on snow, ice, mud, sand and gravel, particularly when one drive wheel is on a surface providing poor traction.

During normal driving and cornering, the Controlled unit functions as a standard differential. When one wheel encounters a slippery surface, however, the Controlled Differential directs driving force to the wheel having the better traction.

CAUTION: Regardless of whether the vehicle is equipped with a Controlled Differential or a standard axle, care should be taken to avoid sudden accelerations when both drive wheels are on a slippery surface. This could cause both drive wheels to spin, and allow the

vehicle to slide sideways on the crowned surface of a road or in a turn.

Automatic level control

Automatic Level Control (standard on Eldorado, Brougham, and Fleetwood Seventy-Fives, optional on other styles) helps compensate for loads up to 800 pounds (above unloaded vehicle weight) on the rear axle. When adding load, do not exceed the full rated load for this model and adjust tire pressures as required. Load and tire pressure information is found under **Tires** in the Service and Maintenance Section.

Convertible top

The Eldorado Convertible top incorporates inward folding structural members. This design permits a rear seat of the same width as the coupe model.



CONVERTIBLE TOP CONTROL

LOWERING TOP

CAUTION: Do not attempt to lower the top when the temperature is below 40°F. Prior to raising or lowering the top, the car must be at a complete stop and the sun visors turned down. When lowering the top, make certain that the top is thoroughly dry and that there are no items stored in or beneath the top well.

- Rotate the top locking handles (located at top side rails near windshield) inward to disengage lock hook from windshield header. **KEEP LOCKING HANDLES IN THIS POSITION.**
- Press convertible top control switch (located above radio area) to the "DN" position until top is fully lowered.
- If any top material remains outside top well, fold it **FORWARD** and tuck it down behind top header bar.

RAISING TOP

- Remove boot, if installed.
- Turn both sun visors down.
- Press top control switch to the "UP" position until top stops above windshield header.

- **LOCK DOWN LEFT SIDE OF TOP FIRST:** pull the left side of the top front header bar down to engage guide pin with striker. Rotate left lock handle outward to locked position.
- After locking left side: pull down right side of top front header bar, engage guide pin striker, and rotate right lock handle outward to locked position.
- **BE CERTAIN TOP IS SECURELY LOCKED TO WINDSHIELD HEADER PRIOR TO DRIVING CAR.**

CONVERTIBLE TOP BOOT

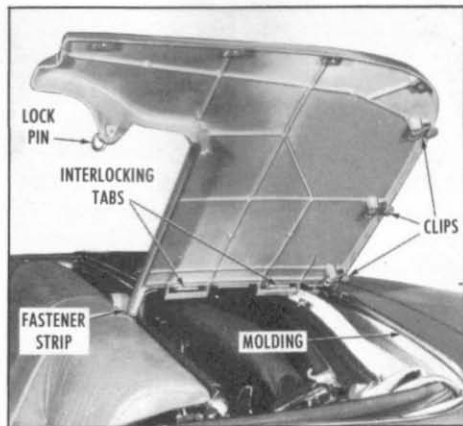
Soft Vinyl Boot Installation

- Remove the boot from its plastic storage bag in the trunk and place it over the fully lowered top. Engage the snap fasteners on the boot to the studs on the rear side trim panels.
- The rear and sides of the boot are secured by pulling the boot to the rear of the belt molding, starting at the center, and sliding the plastic retainer under the belt molding.

- The front portion of the boot is secured by engaging the snap fasteners on the boot to the studs on the rear seat-back and pressing down the entire front portion (fastener strip) of the boot.

Two Piece Hard Boot

On convertibles equipped with this type boot (also available as a dealer installed accessory) the panels



JOINING BOOT LOCK TABS

interlock to form a rigid cover for the lowered convertible top. When not in use, the panels are stored in the trunk in a protective cover.

- **INSTALLATION**—With top fully lowered, place right-hand (passenger side) boot panel in place over convertible top well. Use care to avoid striking the rear lamp monitor unit. Move panel rearward to engage its clips under the top well molding. Position the right front portion of panel and engage the lock pin into retainer in side trim panel. Push pin in and turn clockwise until locked.
- Hold left boot panel at the angle shown and engage the interlocking tabs of both panels. Lower panel until its clips are below molding and move it rearward to engage clips. Position left front portion of panel and fasten lock pin.
- Check that the boot halves are: (a) closely joined in the center, (b) centered over the well, and (c) fully rearward. Press the front edge of the boot down near the center joint to engage the hook and pile type fastener strips.
- **REMOVAL**—Unlock both lock pins by turning them counterclockwise and pulling.

- Lift front edge of boot enough to separate the fastener strips. Pull left boot half forward until clips disengage at rear, then lift outboard end and separate the interlocking tabs.
- Remove right-hand panel using care to avoid interference with lamp monitor unit.
- Insert boot panels into the protective cover, outboard end first, with the top surfaces against the cloth divider. Place the covered boot halves into trunk as shown. For safety's sake, always store boot and boot protective cover in the trunk when not in use.



BOOT STOWAGE IN TRUNK

Sunroof

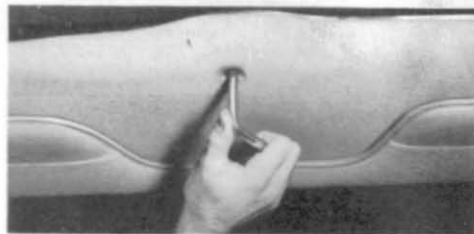
A Sunroof is an available feature on some Cadillac styles. The Sunroof is an electric motor-driven device that permits opening of a sliding roof panel to admit sunshine and outside air into the passenger compartment.

OPERATION

- Ignition switch must be in RUN position.
- TO OPEN: move switch lever to "OPN" and hold until sliding roof is partially or fully opened. Release switch to stop roof operation.
- TO CLOSE: move switch lever to "CLS". Release switch to stop roof operation.



SUNROOF SWITCH



CLOSING SUNROOF MANUALLY

Manual Operation—The Sunroof can be closed manually in the event it can not be closed electrically. To do this:

- Remove the small round plug located in the center of the headlining near the front edge of the roof opening by grasping with fingers and pulling downward.
- Insert the hexagonal end of the crank handle into socket in the winding gear screw and rotate crank handle counterclockwise to remove the screw.

REMINDER: Do not lose any washers removed with the screw.

- Screw the threaded end of crank handle into the screw hole and continue to turn crank clockwise to close roof.

NOTE: The crank handle can only be used to close the roof.

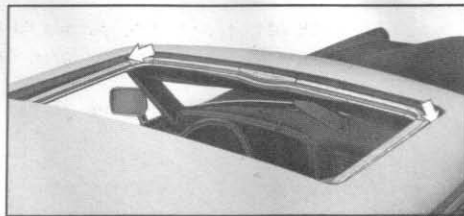
After manually closing roof:

- Remove the crank handle.
- Install screw with washers.
- Tighten screw.
- Replace round plug in headliner.

MAINTENANCE

Periodically clean off any dirt that may have accumulated on the guide rail covers. It is not necessary to lubricate the top surface of the guide rail covers or the slide tracks.

Drain Tubes—During regular maintenance, check the two drain holes at the front corners of the Sunroof opening to be sure they are open and the drain tubes are not plugged. If the drain tubes are plugged, they should be cleaned with an air hose or with a flexible wire from the bottom of the



DRAIN HOLE LOCATIONS

tubes. The rear drain tubes are located in the quarter panels and drain through the rear wheel housing.

SECTION 3



IN CASE OF EMERGENCY

Four-way hazard warning flasher

- This system flashes both front and both rear signal lamps and the turn signal indicators



HAZARD FLASHER CONTROL

also flash simultaneously during system operation.

- Use the warning flasher to warn other drivers any time your vehicle becomes a traffic hazard, day or night.
- Avoid stopping on the roadway if possible.
- Turn on the hazard warning flasher by pushing in on the button located on the column just below the steering wheel. Flasher can be actuated with engine ignition either off or on.
- If the brake pedal is depressed, the lights will not flash but will glow continuously instead.
- To cancel the flasher, pull the button out.
- On a car equipped with Theft Deterrent

System, disarm the system to prevent it from activating.

Emergency starting

- The engine cannot be started by towing or pushing the car.
- To start the car when the battery is discharged, use a single auxiliary battery of the *same nominal voltage* (12 volts) as the discharged battery, with suitable jumper cables.
- Make connections as set forth on next page under "Jump Starting With Auxiliary (Booster) Battery" to lessen the chance of personal injury or property damage.

CAUTION: Never expose battery to open flame or electric spark - battery action generates hydrogen gas which is flammable and explosive. Don't allow battery fluid to contact skin, eyes, fabrics, or painted surfaces - fluid is a sulfuric acid solution which could cause serious personal injury or property damage. Wear eye protection when working with battery.

JUMP STARTING WITH AUXILIARY (BOOSTER) BATTERY

Both booster and discharged battery should be treated carefully when using jumper cables. Follow *exactly* the procedure outlined below, being careful not to cause sparks:

1. Set parking brake and place transmission in "PARK". Turn off lights, heater and other electrical loads.
2. Remove vent caps from both the booster and the discharged batteries. Lay a cloth over the open vent wells of each battery. These two actions help reduce the explosion hazard always present in either battery when con-



JUMP STARTING GROUND CONNECTION

necting "live" booster batteries to "dead" batteries.

3. Attach one end of one jumper cable to the positive terminal of the *booster battery* (identified by a red color, "+" or "P" on the battery case, post or clamp) and the other end of same cable to positive terminal of *discharged battery*. Do NOT permit cars to touch each other, as this could establish a ground connection and counteract the benefits of this procedure.
4. Attach one end of the remaining negative cable to the negative terminal (black color, "-" or "N") of the *booster battery*, and the other end to the bolt head and projection between the first two spark plugs on the right side of the engine in your 1973 Cadillac (*do not connect directly to negative post of dead battery*) – taking care that clamps from one cable do not inadvertently touch the clamps on the other cable. Do not lean over the battery when making this connection.

Reverse this sequence exactly when removing the jumper cables. Re-install vent caps and throw cloths away as the cloths may have corrosive acid on them.

CAUTION: Any procedure other than the above could result in: (1) personal injury caused by electrolyte squirting out the battery vents, (2) personal injury or property damage due to battery explosion, (3) damage to the charging system of the booster vehicle or the immobilized vehicle.

Engine coolant

CAUTION:

- To avoid the danger of being burned, do not remove radiator cap while engine and radiator are still hot, because the cooling system will blow out scalding fluid and steam under pressure.
- Do not remove radiator cap to check engine coolant level; check coolant visually at the see-through coolant reservoir.
- Proper coolant level at normal engine operating temperature is between the "FULL" and "ADD" marks on the reservoir.
- Coolant should be added only to the reservoir (see "Service & Maintenance" section for details).

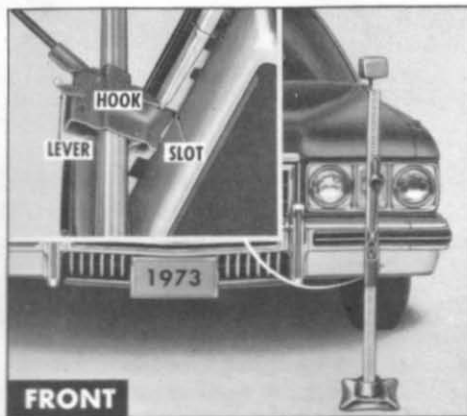
Jacking instructions

The spare wheel and tire and jacking tools are stored in the trunk compartment of your Cadillac. "Jacking Instructions" information placards on the underside of trunk lid give basic jacking instructions and illustrations of jack positions, and spare tire storage.

Preparations:

- Park on a level surface, and set parking brake firmly.
- Set transmission in "PARK".
- Activate hazard warning flasher.
- Block the wheel diagonally opposite the jack position.
- Use jack adapter hook on rear bumper only.

CAUTION: Follow jacking preparations and instructions in order to reduce the possibility of serious personal injury. The jack is designed for use only when changing wheels. Stand clear of and never get beneath the vehicle when it is supported only by a jack. Do not start or run engine while vehicle is on jack.



JACK POSITION—EXCEPT ELDORADO

Instructions:

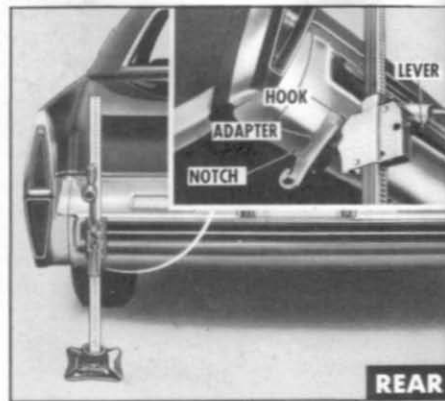
- Remove spare tire and jack components from luggage compartment.
- Assemble jack by inserting rack bar in base. Install handle on jack. Set lever on jack mechanism to UP position. Install adapter on jack if rear bumper is to be raised.
- Jack Position — Front
All Models — Position the jack assembly (with-

out adapter) centrally between the two headlamps. Securely engage jack hook (without adapter) into proper slot in bumper.

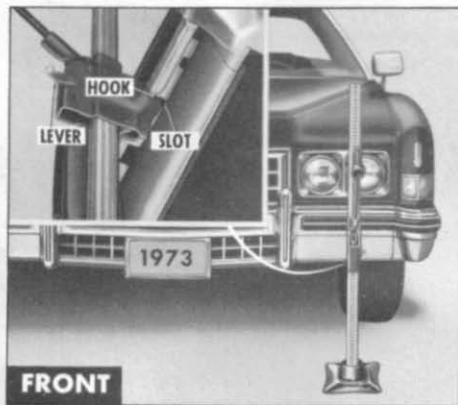
• Jack Position — Rear

All Except Eldorado — Position jack (with adapter installed) approximately four inches inboard of the bumper seam. Engage adapter hook securely in notch at lower edge of bumper.

Eldorado — Position jack (with adapter in-



JACK POSITION—EXCEPT ELDORADO



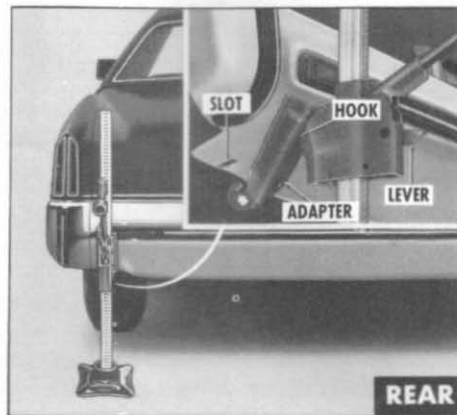
JACK POSITION-ELDORADO

stalled) approximately two inches inboard of the bumper seam. Engage adapter hook securely in slotted hole near lower edge of bumper.

- Position jack base so that rack bar is vertical, check that hook or adapter is securely engaged, and raise jack until snug.
- When removing rear wheel, remove wheel opening cover by reaching under the cover

(forward of center) and unhooking and pulling down on the locking rod located on the bottom inside edge of the cover flange. Tip cover outward at the top while raising up and away from the mounting hooks.

- Remove wheel disc using tip of jack handle.
- Loosen wheel nuts 1/2 turn (counterclockwise).



JACK POSITION-ELDORADO

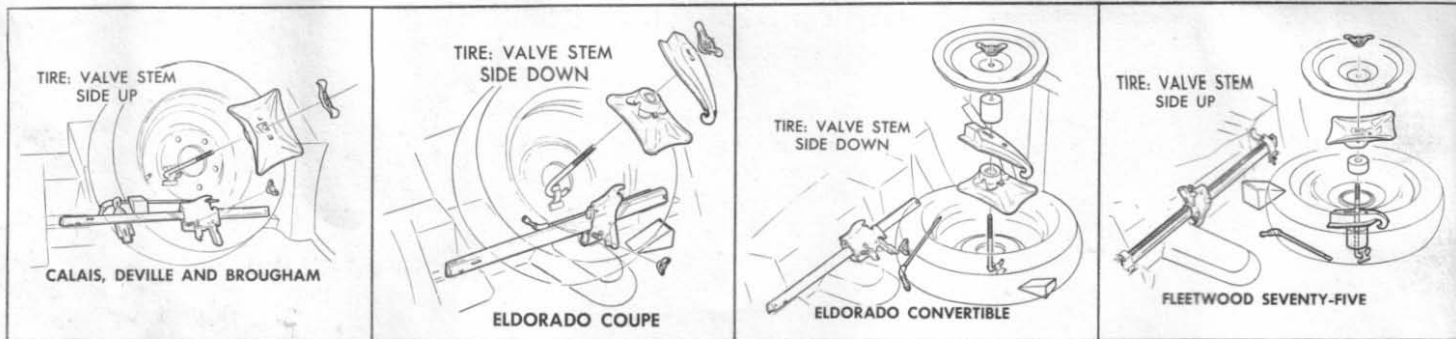
- Raise car on jack and remove wheel mounting nuts.

REMINDER: Before removing deflated tire and wheel assembly, make certain car is raised sufficiently to permit installation of fully inflated tire.

- Install spare wheel and tire assembly, making certain wheel mounting nuts are installed with cone shaped end toward wheel. Tighten nuts securely in a criss cross sequence. Set lever on jack to **DOWN** position. Lower car, remove jack and recheck wheel nuts for tightness.

Use rubber covered portion of jack handle to install wheel disc. Reinstall wheel opening cover if previously removed. Lock cover by hooking the locking rod on the cover flange.

NOTE: Correct wheel nut torque must be maintained. After changing wheels, have wheel nut tightness checked and corrected if necessary by a mechanic using a torque wrench. See Specification Section.



SPARE TIRE, JACK, AND TOOL STOWAGE

Towing

Proper lifting or towing equipment is necessary to prevent damage to the vehicle during any towing operation. State (Provincial in Canada) and local laws applicable to vehicles in tow must also be followed. Cadillac dealers can advise you on the selection of a knowledgeable towing concern.

Your Cadillac may be towed on all four wheels, at speeds of less than 35 MPH, for distances up to 50 miles, provided driveline, axle and transmission are otherwise normally operable. For such towing,

parking brake must be released, and transmission must be in neutral, ignition lock turned to OFF position.

NOTE: Before lifting the FRONT of the vehicle for the purpose of towing, release the primary hood latch by pulling the "HOOD" handle below left side of dash. This permits the correct grill-to-hood clearance for towing. DO NOT release the secondary latch. Check (by pulling upward on the hood) to be sure the secondary latch prevents the hood from opening more than approximately two inches.

On cars equipped with theft deterrent system, set selector switch to ARM PREVENT before unlatching hood.

Attachments must be to main structural members of the car, not to bumpers or bracketing. Separate safety chains or cables should be used. Remember that power brake and steering assists will not be available when engine is inoperative.

When a speed of 35 MPH or distance of 50 miles will be exceeded, or when the transmission is not

operating properly, the drive wheels (front wheels on Eldorado) must be raised off the ground or (on rear wheel drive cars) the drive shaft disconnected.

When towing vehicles on the front wheels, the steering wheel should be secured to maintain a straight ahead position.

NOTE: Do not use the locking feature of the Anti-Theft Lock to secure the front wheels for towing purposes.

Freeing car from soft or slippery surface

If it becomes necessary to rock the car to free it from sand, mud or snow, move the transmission selector lever from "D" to "R" in a repeat pattern while simultaneously applying moderate pressure to the accelerator. Do not race engine. For best possible traction, avoid spinning wheels when trying to free the car. The use of AC Liquid Tire

Chain is recommended for temporary assistance when traction is lost on ice or snow.

CAUTION: Wheel spin should not exceed 35 mph as indicated on the speedometer. Unless care is taken in limiting wheel spin, one spinning wheel can reach excessive speeds, resulting in possible tire disintegration or differential failure, which could cause personal injury or extensive vehicle damage.

SECTION 4



APPEARANCE CARE

Care of the interior

Care and Cleaning of Interior Soft Trim

Remove loose dust and dirt from interior fabric frequently using vacuum cleaner or soft brush.

Normal trim soilage may be removed by the proper use of trim cleaners available through Cadillac dealerships. Spots or stains should be removed **AS SOON AS POSSIBLE** using a technique that will prevent enlarging the stain.

CAUTION: When cleaning interior soft trim such as upholstery or carpeting, do not use volatile cleaning solvents such as: acetone, lacquer thinners, enamel reducers, nail polish removers; or such cleaning materials as laundry soaps, bleaches or reducing agents (except as noted in the adjacent fabric cleaning instructions on stain removal). Never use carbon tetrachloride, gasoline, or naphtha for any cleaning purpose. These materials may be toxic or flammable, or may cause damage to interior trim.



CADILLAC SEDAN DE VILLE

Cleaning Fabrics with Cleaning Fluid

Use cleaning fluid to remove stains containing grease, oil, or fats in the following manner:

- Scrape excess stain from surface with clean, dull knife or scraper.
- Use cleaner sparingly on a clean, absorbent cloth.
- Blot stain with light pressure, work toward center of stain area, and turn cloth to a clean area constantly.
- When stain is removed, wipe treated area briskly with clean, absorbent cloth to prevent

a cleaning ring. Clean entire panel immediately if ring forms.

Cleaning Fabrics with Detergent Foam Cleaners

Clean general soilage from fabrics using detergent foam as follows:

- Plan to clean a complete section or panel of trim.
- Remove loose dirt and mask adjacent trim panels.
- Apply foam according to manufacturer's recommendations. Do not wet fabric excessively or rub harshly.
- Wipe clean with slightly damp, clean, absorbent cloth.
- Aid drying by wiping with a dry towel. When dry, wipe again to restore fabric luster.

Seat Belt Care

- Clean only with mild soap solution and lukewarm water.
- Do not bleach or dye belts since this may severely weaken belts.

Leather and Vinyl—Cadillac upholstery leathers are made from select hides and are protected by a special finish. Richly textured vinyl is provided in certain areas of leather trimmed interiors. Both leather and vinyl normally can be kept clean by regular dusting. Leather or vinyl that has become soiled can be cleaned with GM Multi-Purpose Powdered Cleaner or thick, sudsy lather made from mild soap in lukewarm water. Avoid the use of excessive amounts of water. Remove the suds with a clean, damp cloth and wipe dry. If a sheen is desired, buff with clean cheesecloth. A high quality, glycerine base saddle soap can be used, if desired.

Removal of Specific Stains

CANDY—Chocolate: use cloth soaked in lukewarm water, other than chocolate: use very hot water. Dry. If necessary, clean lightly with fabric cleaning fluid.

CHEWING GUM—Harden gum with ice cube and scrape off with dull knife. Moisten with fabric cleaning fluid and scrape again. Finish with cloth moistened with fabric cleaning fluid.

FRUIT STAINS, COFFEE, LIQUOR, WINE, SOFT DRINKS, ICE CREAM AND MILK—Wipe

with cloth soaked in cold water. If necessary clean lightly with fabric cleaning fluid. Soap and water is not recommended as it might set the stain.

CATSUP—Wipe with cloth soaked in cool water. If further cleaning is necessary, use a detergent foam cleaner.

GREASE, OIL, BUTTER, MARGARINE AND CRAYON—Scrape off excess with dull knife. Use fabric cleaning fluid.

PASTE OR WAX TYPE SHOE POLISH—Light application of fabric cleaning fluid.

TAR—Remove excess with dull knife, moisten with fabric cleaning fluid, scrape again, rub lightly with additional cleaner.

BLOOD—Wipe with clean cloth moistened with cold water. Use no soap.

URINE—Sponge stain with lukewarm soap suds from mild neutral soap on clean cloth, rinse with cloth soaked in cold water, saturate cloth with one part household ammonia water and 5 parts water, apply for 1 minute, rinse with clean, wet cloth. Dry with towel.

VOMITUS—Sponge with clean cloth dipped in clean, cold water. Wash lightly with lukewarm water and mild neutral soap. If odor persists, treat area with a water-baking soda solution (1 teaspoon baking soda to one cup of tepid water). Rub again with cloth and cold water. Finally, if necessary, clean lightly with fabric cleaning fluid.

Interior Glass

Periodically clean interior glass with a commercial agent containing ammonia to remove hazy films that may form on surfaces.

Care of the exterior

Washing—The best way to preserve the finish is to keep it clean. Frequent washings are required to maintain its original beauty. Wash the car with either warm or cold (never hot) water, not in the direct rays of the sun, and not while the sheet metal surfaces are hot. Never wipe dirt from dry painted surfaces as this may scratch the finish. The use of strong soaps and chemical detergents should be avoided. All cleaning agents should be promptly flushed from the surface and not allowed to dry or they may streak the finish.

Polishing and Waxing—Even though the acrylic paint on your car is more durable than conventional finishes, under certain conditions you may wish to wax or polish your car to provide maximum protection.

Calcium chloride and other salts, ice-melting agents, road oil and tar, tree sap, chemicals from factory chimneys and other foreign matter may damage any automobile finish if allowed to remain in contact with paint.

Prompt washing may not thoroughly remove these deposits and, particularly in geographical areas where these exposure conditions are severe, properly applied high quality polishes and waxes will provide the best protection. Authorized Cadillac Dealers offer GM Magic Mirror, Blue Coral and GM Body Polish and Cleaner, which have proven their value in maintaining a fine finish.

NOTE: Some chemical cleaners used for removing road oil and tars from painted surfaces have been found to be detrimental to acrylic finishes. When purchasing a cleaner, make sure the instructions specifically state that the contents can be safely used on an

acrylic finish. GM Tar and Road Oil Remover is recommended for this purpose.

Glass—Dirt and insects can be removed from glass with clear water. Never wipe dirty glass with dry paper or cloth. Periodic inspection and replacement of wiper blades will reduce the possibility of glass becoming scratched and assure clear vision under adverse driving conditions.

REMINDER: Never "scrape" the inside surface of a De-Fogger equipped rear window—the de-fogging element could be damaged.

White Sidewall Tires—GM White Sidewall Tire Cleaner is recommended. Foaming type household cleansers may also be used. Do NOT use gasoline, kerosene, or any oil product that will discolor the tire sidewalls or damage the rubber.

Chrome—Many parts of your Cadillac, such as the bumpers and body hardware, are chromium plated. Chrome plating is susceptible to the actions of solutions being used on streets and highways to melt ice. Corrosive damage may also be caused by salt air near coastlines, industrial smoke and other conditions found in urban

areas. When such conditions exist, frequent washing and waxing are necessary. GM Chrome Cleaner is an excellent material for cleaning the chrome on your car.

Anodized Aluminum Parts—Caustic cleaning agents will discolor anodized aluminum parts such as exterior trim. Do not permit the use of steam or cleaning solutions containing these agents for the cleaning of your car.

Vinyl Covered Roof—To wash the vinyl covered roof, use lukewarm water and suds from a neutral soap. A cloth or soft-bristled brush is recommended for applying the solution of suds. Deeply embedded dirt can be removed with a nylon bristled brush and a small amount of foaming type cleanser. All traces of the cleanser should be removed with clean water. Do NOT use volatile cleaners, naphtha, gasoline, harsh household cleaners and detergents, or bleaching agents. A wire brush will seriously damage the vinyl roof material, and should not be used.

Care of Convertible Top and Rear Window—The convertible top should never be subjected to volatile cleaners or household bleaches. Frequent washing with neutral soap suds, lukewarm water and a soft bristle brush is normally all that is necessary to maintain the "like new" look. In the event heavy soilage or stubborn stains are encountered, a mild foaming cleanser, lukewarm water and a soft bristle brush may be used. If desired, the top may be supported from the underside during the cleaning operation. Regardless of which cleaning method is used, a generous amount of rinse water is to be used, as any soap that may have run down on the body finish may cause streaks if allowed to dry.

After cleaning the top, be certain the top is thoroughly dry before it is lowered.

The rear window in the back curtain may be cleaned in the same manner as all body glass.

Volatile cleaning agents should be avoided as these liquids could have a deteriorating effect if

spilled on the convertible top material or any painted finish.

Outside Mirrors—When cleaning the outside rear view mirror, use a soft cloth and a mild detergent or ammoniated cleaning solution. For removal of ice, use a de-icer (spray type, blower type, etc.). Scraping of ice from the mirror face could cause permanent damage.

Special notes

Undercoating—Undercoating should not be applied to any moving or rotating part. It should be kept off air conditioner fittings, body drain-holes, exhaust system, propeller shaft, component vents and air filters. On cars equipped with Automatic Level Control, particular care should be taken not to undercoat any fittings, lines, or system components.

SECTION 5



SERVICE AND MAINTENANCE

CADILLAC SERVICE—Cadillac Motor Car Division recommends that your Cadillac be serviced at Authorized Cadillac Dealers. These dealerships are equipped with facilities, trained personnel, and General Motors parts to service and maintain your Cadillac according to factory recommendations.

MAINTENANCE SCHEDULE—For owner convenience, a separate maintenance folder has been provided with your car which contains a complete schedule and brief explanation of the safety, emission control, lubrication and general maintenance it requires. The maintenance folder information is supplemented by this section of the Owner's Manual, as well as the separate emission control systems folder also furnished with your car. Read all three publications for a full understanding of vehicle maintenance requirements.

Manufacturer recommended fluids and lubricants

Fuel requirements

Your Cadillac is designed to operate on a good quality fuel of approximately 91 Research Octane Number or higher, commonly sold in the United States and Canada. Use of a fuel which is too low in anti-knock quality will result in "spark knock", a metallic rapping noise generated during the combustion process. It should be noted that Research Octane Number does not completely describe fuel octane quality. Therefore, if you hear a knock in your engine you may wish to try a different gasoline. If knocking persists consult your authorized Cadillac dealer.

In any case, continuous or excessive knocking may result in engine damage and constitutes misuse of the engine for which the Cadillac Motor Car Division is not responsible under the terms of the New Vehicle Warranty.

General Motors recommends the use of unleaded or low-lead (0 to 0.5 grams per gallon) gasolines to minimize emissions of hydrocarbons and particulates. If unleaded or low-lead gasolines are not available gasolines containing more than 0.5 grams per gallon may be used.

In states using the Gasoline Performance and Information System of fuel designation, unleaded or low-lead fuels having an anti-knock designation of "2" or higher are recommended.

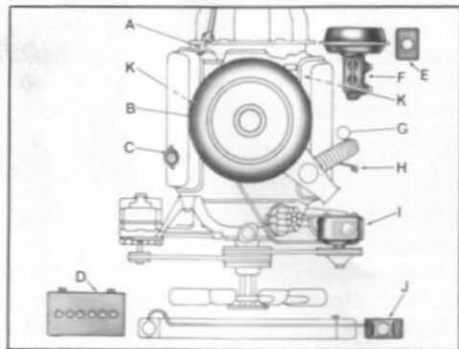
GAS CAP—Located behind the license plate on all models. The fuel tank filler cap has a two-step removal and installation procedure plus a pressure-vacuum safety relief valve.

The cap is equipped with a double set of locking tangs. To remove:

- Rotate cap one-half turn counterclockwise to clear the first set of tangs from the slots inside the filler neck.

- This will allow any residual pressure to escape.
- Pull the cap outward and rotate one-quarter turn counterclockwise to clear second set of tangs. Then remove the cap.
- To install, reverse this procedure.

NOTE: If this cap requires replacement, only a cap with these same features should be used. Failure to use the correct cap can result in a malfunction of the fuel system or emission control system. Correct replacement caps may be obtained from your Cadillac dealer.



FLUID FILLER LOCATIONS

- | | |
|--|---|
| A. Transmission Dipstick and Filler-Except Eldorado. | G. Transmission Dipstick and Filler-Eldorado. |
| B. Carburetor Air Filter. | H. Engine Oil Dipstick. |
| C. Engine Oil Fill Cap. | I. Power Steering Fluid Reservoir. |
| D. Battery Fill Vents and Fluid Level "EYE". | J. Engine Coolant Reservoir. |
| E. Windshield Washer Reservoir. | K. Coolant Drains. |
| F. Brake Fluid Reservoir. | |

Carburetor air cleaner

CAUTION: Do not remove the engine air cleaner unless temporary removal is necessary during repair or maintenance of the vehicle. When the air cleaner is removed backfiring can cause fire in the engine compartment.

Engine oil and filter recommendations

It is very important to use only the recommended quality oil in your engine. Oil containers are labeled to indicate that the oil meets or exceeds certain quality standards. Be certain the oil used in your engine meets quality standard SE. Oils labeled "SE" meet the lubricant requirements specified for your engine.

Observe the following important oil and filter recommendations:

- Use only SE engine oil.
- Change oil each 4 months or 6,000 miles. If more than 6,000 miles are driven in a 4-month period, change oil each 6,000 miles.
- Change oil each 2 months or 3,000 miles, whichever occurs first, under the following conditions:
 - driving in dusty conditions
 - trailer pulling
 - extensive idling
 - short-trip operation at freezing temperatures (engine not thoroughly warmed-up).
- Operation in dust storms may require an immediate oil change.
- Replace the oil filter at the first oil change, and every second oil change thereafter. AC oil filters provide excellent engine protection.

See your Cadillac dealer for advice on the frequency of oil and filter changes under unusual driving conditions.

The previous recommendations apply to the first oil change as well as subsequent oil changes. The oil change interval for your Cadillac engine is based on the use of SE oils and quality oil filters. Oil change intervals longer than those recommended will seriously reduce engine life and may affect Cadillac's obligation under the provisions of the New Vehicle Warranty.

A high quality SE oil was installed in your engine at the factory. It is not necessary to change this factory-installed oil prior to the recommended normal change period. However, check the oil level more frequently during the break-in period since higher oil consumption is normal until the piston rings become seated.

It is normal to add some oil before the drain period. Requirements will vary, depending on the type of driving you do, but the addition of one quart each 800 miles would not be considered excessive.

NOTE: Non-detergent and other low quality oils are specifically not recommended. Only the use of SE engine oils and proper oil and filter change intervals assure you of continued reliability and performance from your Cadillac engine.

Checking Oil Level—Engine oil should be maintained at the proper level. For an accurate reading, proceed as follows:

- Check engine oil level with the engine hot; after engine is shut off wait several minutes to allow normal oil accumulation in the engine to drain back into the crankcase.
- Remove the oil dip stick and wipe it clean.
- Reinsert it fully, remove and observe oil level.

The oil dipstick is marked "ADD 1 QT." and "FULL". Do not add oil if oil level is above the "Add 1 Qt." line. The oil level should be maintained between the lines neither going above the "FULL" line nor appreciably below the "Add 1 Qt." line. The engine oil filler cap is located on top of the right rocker arm cover.

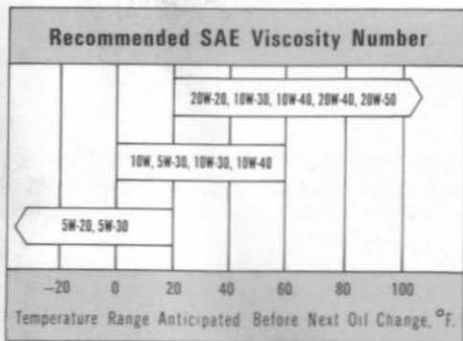
- Reseat the dipstick firmly after taking the final reading.

NOTE: The oil dipstick is also marked, "Use SE Engine Oil", as a reminder to use only SE oils.

Engine Oil Capacity—The oil capacity of your Cadillac engine is shown in Specifications Section. One additional quart is required when the oil filter is changed.

Supplemental Engine Oil Additives—The regular use of supplemental additives is specifically not recommended and will increase operating costs. However, supplemental additives are available that can effectively and economically solve certain specific problems without causing other difficulties. For example, if higher detergency is required to reduce varnish and sludge deposits resulting from some unusual operational difficulty, a thoroughly tested and approved additive "Super Engine Oil Supplement" — is available at your Cadillac dealer. In the event of an operational problem, consult your dealer for advice before using supplemental additives.

Recommended Viscosity—Select the proper oil viscosity from the following chart:



ENGINE OIL VISCOSITY CHART

NOTE: SAE 5W-30 oils are recommended for all seasons in vehicles normally operated in Canada. SAE 5W-20 oils are not recommended for sustained high-speed driving. SAE 30 oils may be used at temperatures above 40°F.

The proper oil viscosity helps assure good cold and hot starting.

Automatic transmission filter and fluid recommendations

Use only automatic transmission fluids identified with the mark DEXRON. These fluids have been specially formulated and tested for use in your automatic transmission, and are available from your Cadillac dealer or local service station.

Check the fluid level at each engine oil change period. To make an accurate fluid level check:

1. Drive car several miles, making frequent starts and stops, to bring transmission up to normal operating temperature (approximately 170°F.).
2. Park car on a level surface.
3. Place selector lever in "Park" and leave engine running.
4. Remove dipstick and wipe clean.
5. Reinsert dipstick until cap seats.
6. Remove dipstick and note reading.

If fluid level is at or below the ADD mark, add sufficient fluid to raise the level to the

FULL mark. One pint raises the level from ADD to FULL. Do not overfill.

Under normal driving conditions, the transmission filter and fluid should be changed every 100,000 miles. If your car is driven extensively in heavy city traffic during hot weather, or is used to pull a trailer, change fluid every 50,000 miles. Likewise, operators of cars in commercial use (such as taxi-cab or limousine service) where the engine idles for long periods, should change fluid every 50,000 miles.

Engine cooling system

The cooling system is of the closed type, and is designed to maintain the engine at proper operating temperatures. It has been filled at the factory with a high-quality, inhibited, year-around coolant that meets the standards of General Motors Specification 1899-M. This coolant solution provides freezing protection to -40°F, and it has been formulated to be used for two full calendar years or 24,000 miles, whichever first occurs, of normal operation without draining, provided the proper concentration of coolant is maintained.

- Check the coolant level visually at the see-through coolant reservoir at each oil change interval while the engine is at normal operating temperature. **DO NOT REMOVE RADIATOR CAP EXCEPT FOR DRAINING AND REFILLING THE SYSTEM.** Coolant level should be between "ADD" and "FULL" marks on reservoir. **NOTE:** It is normal for the level to be below "ADD" mark when the system cools and is below normal operating temperature.
- Add a 50/50 mixture of high-quality ethylene glycol antifreeze and water if coolant additions are necessary.

NOTE: If recommended quality antifreeze is used, supplemental inhibitors or additives claiming to provide increased cooling capability are not necessary. They may be detrimental to the efficient operation of the system, and represent an unnecessary operating expense.

Every year, the cooling system should be serviced as follows:

- Wash radiator cap and filler neck with clean water.

- Check coolant for proper level and freeze protection. Every 24 months or 24,000 miles, whichever first occurs, the coolant should be changed as outlined in the ten step instruction following.
- Tighten hose clamps and inspect all hoses. Replace hoses every 24 months or 24,000 miles or earlier if checked, swollen or otherwise deteriorated.
- Pressure test system and radiator cap for proper pressure holding capacity (15 psi). if replacement of cap is required, use the proper AC cap specified for your car model.
- Clean frontal area of radiator core and air conditioning condenser.

Following is a suggested procedure for draining and refilling the cooling system:

1. Run engine, with radiator cap removed, until normal operating temperature is reached. On air conditioned models, place Climate Control lever in "DEF" and set temperature dial at 85. On Fleetwood Seventy-Five models also turn rear system on and set temperature dial to 85.

2. With engine stopped, drain coolant by opening radiator drain valve. (To speed this operation, the drain plugs in block can also be removed.)
3. Close valve (install block drain plugs, if removed) and add sufficient water to fill system.
4. Run engine, drain and refill the system, as described in steps 1, 2, and 3, a sufficient number of times until the drained liquid is nearly colorless.
5. Allow system to drain completely and then close radiator drain valve tightly. (Install block drain plugs, if removed.)
6. Replace all old radiator and heater hoses with new hoses. Check and replace clamps as needed.
7. Remove coolant reservoir and drain. Flush reservoir with clean water, drain and reinstall. Install new reservoir hoses.
8. Add sufficient ethylene glycol coolant, meeting GM Specification 1899-M, to provide the required freezing and corrosion protection (at least -40°F).

9. Run engine, with radiator cap removed, until normal operating temperature is reached.
10. Check and adjust coolant to proper level and install radiator cap. Make certain red stripe on cap lines up with overflow tube.

It is the owner's responsibility to keep the freeze protection at a level commensurate with the temperatures which may occur in the area of vehicle operation.

- Maintain cooling system freeze protection at -40°F . or below to ensure protection against corrosion and loss of coolant from boiling, even though freezing temperatures are not expected.
- Add ethylene glycol base coolant that meets GM Specification 1899-M when coolant additions are required because of coolant loss or to provide additional protection against freezing at temperatures lower than -40°F .

NOTE: Alcohol or methanol base coolants or plain water are not recommended for your Cadillac at any time.

THERMOSTAT

The cooling system is protected and controlled by a thermostat installed in the engine coolant outlet to maintain a satisfactory operating temperature of the engine. This thermostat is designed for continuous use through both winter and summer and need not be changed seasonally. When replacement is necessary, Delco Parts are recommended.

Rear axle or final drive lubricant

Every 4 months or 6,000 miles, whichever occurs first, check lubricant level and add lubricant, if necessary, to fill to level of filler plug hole. Use SAE 90 GL-5 Gear Lubricant. In areas with extreme cold weather or in vehicles normally operated in Canada, use SAE 80 GL-5 Gear Lubricant.

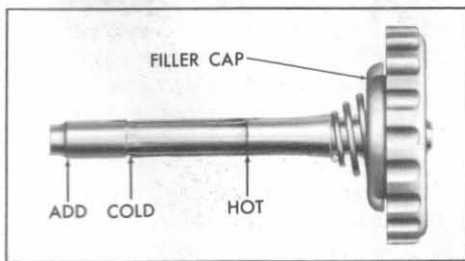
Clean area around filler hole before removing filler plug and take care to prevent dirt from entering hole and contaminating the lubricant.

CONTROLLED DIFFERENTIAL—Special Rear Axle lubricant available from Authorized Cadillac Dealers.

Power steering system

Check the fluid level in the pump reservoir at each engine oil change period. Add GM Power Steering Fluid (or DEXRON Automatic Transmission Fluid) as necessary to bring level into proper range on filler cap indicator depending upon fluid temperature.

If at operating temperature (approximately 150°F -- hot to the touch), fluid should be between "HOT" and "COLD" marks. If at room temperature (approximately 70°F), fluid should be between "ADD" and "COLD" marks. Fluid does not require periodic changing. Fasten cap securely after checking.



POWER STEERING FLUID LEVEL

Wheel bearings

The front wheel bearings on all except Eldorado and Eldorado rear wheel bearings require repacking and adjusting when brake linings are replaced or when major service is performed on that axle. Repack with a #2 grade lithium high melting point wheel bearing grease.

When bearing replacement is necessary, Delco parts are recommended.

Brakes

When replacement parts are required, GM and Delco parts are recommended.

Use Delco Supreme 11 Super Heavy Duty Brake fluid or brake fluids conforming to SAE J-1703 specifications. (SAE 7D-R3 may also be used).

Suspension

The suspension and steering linkage connections do not require periodic lubrication. Suspension and steering linkage connections are packed with a special long-life lubricant and normally need repacking only when seals have leaked or damaged seals are replaced. Steering linkage pivots must be replaced when worn or loose.

The rear suspension system is maintenance

free. However, it is recommended that it be inspected periodically by an Authorized Cadillac Dealer to make certain that no accidental damage has occurred that could affect its performance.

Battery fluid level

Battery fluid level should be checked at every engine oil change. However, in warm weather, fluid level should be checked at two-week intervals. Maintain battery fluid level up to the split ring in each cell.

A fluid level indicator is provided on top of the second cell cap from the positive battery post. When fluid level is normal, a black spot appears on the "eye" in the top of this cap. An off-white spot indicates that fluid level is low. In such case, check all cells and add water, as necessary, to bring them to their proper level.

Use only colorless, odorless drinking water or distilled water to fill the battery. If water is added during freezing weather, drive the car a minimum of five miles. This mixes the added water into the electrolyte and will prevent it from freezing and damaging the battery.

Have the battery charge checked regularly during extremely cold weather. Make sure the

cables are clean and tightly clamped to the battery terminals.

For full wattage requirements, a Delco Battery is recommended at replacement time.

BATTERY GAS WARNING

CAUTION: Never expose battery to open flame or electric spark — battery action generates hydrogen gas which is flammable and explosive. Don't allow battery fluid to contact skin, eyes, fabrics, or painted surfaces — fluid is a sulfuric acid solution which could cause serious personal injury or property damage. Wear eye protection when working with battery.

Windshield washer solvent

Use GM Optikleen windshield washer solvent to prevent freezing and for better cleaning of the windshield.

NOTE: Follow the directions on the label for correct mixture, otherwise paint damage may result. Do not mix other windshield washer solvents with Optikleen as they may not be compatible.

Tires

The factory installed tires on your car as shown in the Tire Usage chart are designed to provide the best all around performance for normal vehicle operation. When inflated as recommended on the tire pressure placard, located inside the glove compartment door of your vehicle, they have the load carrying capacity to operate satisfactorily at all normal highway speeds.

TIRE CARE

Tires should be checked regularly for proper inflation pressure, wear, and damage. The following information will assist you in properly caring for your tires:

Inflation Pressure—The tire inflation pressures listed on the tire placard have been selected to provide the best tire life, riding comfort and handling stability for normal driving conditions. When inflated at the highest pressures shown on the placard, the tires have the load carrying capacity to operate satisfactorily at all loads up to and in-

TIRE USAGE AND INFLATION PRESSURE TABLE — Pounds Per Square Inch (psi) COLD

MODEL	TIRE USAGE	INFLATION PRESSURES For All Loads Including Full Rated Load	INFLATION PRESSURES For Reduced Loads
Calais, DeVille, Fleetwood Sixty Special Brougham	L78-15 or LR78-15 Load Range B	6 passengers plus 200 lb. trunk load (1100 lb. total) FRONT-24 REAR-26	1 to 5 passengers (750 lb. total) FRONT-22 REAR-22
Eldorado	L78-15 or LR78-15 Load Range B	6 passengers plus 200 lb. trunk load (1100 lb. total) FRONT-27 REAR-22	1 to 5 passengers (750 lb. total) FRONT-25 REAR-20
Fleetwood Seventy-Five	L78-15 Load Range D	9 passengers plus 200 lb. trunk load (1550 lb. total) FRONT-30 REAR-36	1 to 5 passengers (750 lb. total) FRONT-26 REAR-26
Commercial Vehicle	8.90-15 Load Range D	For all loads up to gross vehicle weight FRONT-26 REAR-40	—

cluding the vehicle capacity load (total pounds) which also is shown on the placard. In addition, for those owners who prefer the utmost in comfort, the reduced tire pressures listed on the placard may be used when loads of 5 occupants or less are carried.

The use of improper tire inflation pressures can adversely affect tire life and vehicle performance:

GM		1602319	(HJ)
VEHICLE CAPACITY SIX OCCUPANTS (3 FRONT, 3 REAR) PLUS 200 LBS. TRUNK LOAD (1100 LB. TOTAL)			
RECOMMENDED TIRE INFLATION PRESSURES POUNDS PER SQUARE INCH (COLD)			
VEHICLE LOAD	UP TO VEHICLE CAPACITY	FRONT 24	REAR 26
	UP TO FIVE OCCUPANTS (750 LB. TOTAL)	FRONT 22	REAR 22
RECOMMENDED TIRE SIZE DESIGNATION L78-15 LOAD RANGE B OR L878-15 LOAD RANGE B			
BECAUSE OF POSSIBLE ADVERSE EFFECTS ON VEHICLE HANDLING, DO NOT MIX RADIAL PLY TIRES WITH OTHER TYPE TIRES ON THE SAME VEHICLE. REFER TO OWNER'S MANUAL FOR ADDITIONAL INFORMATION.			

TYPICAL TIRE PLACARD
INSIDE GLOVE COMPARTMENT DOOR

- Too little air pressure can result in excessive tire heat, abnormal tire wear, adverse vehicle handling and reduced fuel economy.
- Too much air pressure can result in abnormal tire wear, adverse vehicle ride and handling, and increased susceptibility to damage by road impacts.

Tire pressures should be checked when the tires are "cold" at least once a month (and preferably oftener) or before long trips or when heavily loaded. The following points should be observed when checking and setting tire pressures:

1. Cold tire pressure ratings are applicable when a vehicle has been inoperative for 3 hours or more, or driven less than 1 mile.
2. Tire inflation pressure may increase as much as 6 pounds per square inch (psi) when hot (after vehicle has been driven 10 miles or at speeds of more than 60 miles per hour). Do not "bleed" or reduce pressures when tires are hot from driving.
3. For continuous high speed operation (over 75 mph), increase tire inflation pressure 4 psi

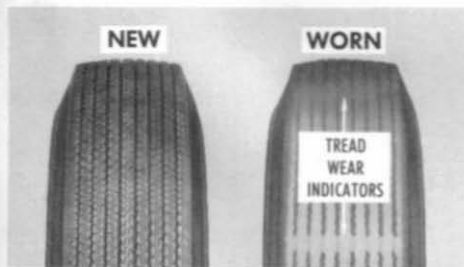
above the recommended pressures up to a maximum of 32 psi cold pressure for load range B tires, or 40 psi for D load range tires. Sustained speeds above 75 mph are not recommended when the 4 psi adjustment would require pressures greater than the above maximum pressures.

4. Always use a tire pressure gauge when checking pressures as the appearance of a tire can be deceiving. For example, radial ply tires, in comparison with bias ply tires at the same pressure, may have the appearance of being under-inflated.

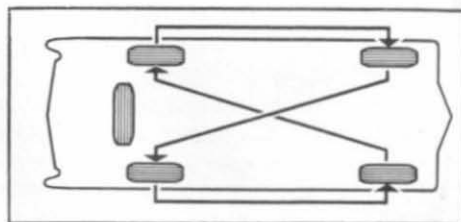
Vehicle Loading—Do not load your vehicle beyond the vehicle capacity (total pounds) shown on the tire placard. This figure represents the design capacity of the vehicle, not merely of the tires. When towing trailers, the allowable passenger and cargo load must be reduced by an amount equal to the trailer tongue load on the trailer hitch. (See "Trailer Hauling" in Section 1 of this manual.) Vehicles equipped with luggage racks do not have a vehicle load capacity greater than specified on the tire placard.

Tire Wear and Rotation—Uneven or abnormal tire wear is usually the result of incorrect inflation pressure, improper wheel alignment, wheels being out-of-balance, or poor driving habits. Underinflation, incorrect toe or camber and fast cornering produce different types of abnormal wear which can be diagnosed by your dealer.

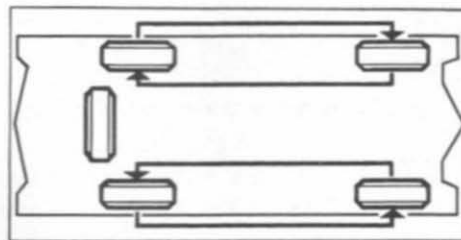
The original equipment tires incorporate built-in tread wear indicators to assist you in determining when your tires have been worn to the point of needing replacement. These indicators appear as 1/2 inch wide bands when tire tread depth is 1/16 inch or less. When the indicators appear in two or more adjacent grooves, tire replacement due to tread wear is recommended.



TIRE TREAD WEAR INDICATORS



TIRE ROTATION-BIAS PLY



TIRE ROTATION-RADIAL PLY

To equalize wear, it is recommended that the tires be rotated every 6,000 miles (or sooner if irregular wear develops) as indicated in diagram above. Upon rotation, tire pressures must be

adjusted in accordance with the recommendations on the tire inflation placard.

NOTE: It is recommended that disc brake pads be inspected for wear whenever tires are rotated.

Tire Damage and Repair—Tires with cuts, splits or cracks deep enough to expose the fabric, should be removed from service. Bulges usually indicate internal damage, and the tire should be removed.

Tires with questionable damage should be removed from the wheel and examined by an expert.

If an air loss occurs while driving, do not attempt to drive on the deflated tire more than is necessary to stop safely. Driving even a short distance can damage a tire beyond repair.

Temporary repairs, such as "blowout" patches or any repair made from the outside of the tire should not be made except in emergencies. Such "stop-gap" devices as plugs and aerosol-type sealants are good for no more than 100 miles of driving at speeds not over 50 mph. A permanent vulcanized repair, plug or patch applied from inside the tire, should be made as soon as possible.

Also, the installation of an inner tube in a damaged tubeless tire is not a recommended repair procedure.

REPLACEMENT TIRES

When replacing tires, only the size, load range, and construction type (bias-belted, or radial) originally installed on your vehicle are recommended. Use of any other tire size or type tire may seriously affect ride, handling, speedometer/odometer calibration, vehicle ground clearance and tire clearance to the body and chassis. The following also should be considered when replacing tires:

- To achieve best all around vehicle performance, belted-bias tires and bias tires should not be mixed on the same car.
- Because of possible adverse effects on vehicle handling, do not mix radial ply tires with other type tires on the same vehicle.
- It is recommended that new tires be installed in pairs on the same axle.
- When replacing only one tire, it should be paired with the tire having the least wear, to equalize braking traction.

SNOW TIRES

If you equip your vehicle with snow tires, they should be inflated 4 psi above the recommended pressures shown on the tire placard up to a maximum of 32 psi (cold) for load range B tires and 40 psi for load range D tires. It is recommended that vehicle speeds be limited to a maximum of 75 mph if snow tires are installed.

REPLACEMENT WHEELS

When replacing wheels for any reason, care should be taken to insure that the wheels are equivalent to those removed in diameter, rim width and off-set.

WARRANTY

Tires are warranted by the tire manufacturers as covered in the "New Vehicle Warranty And Policy On Owner Service" folder furnished with your vehicle. However, for the added convenience of owners, many Cadillac dealers are equipped to handle tire warranty adjustments on certain makes of tires provided on 1973 Cadillac cars.

TIRE TRACTION

A decrease in driving, cornering, and braking

traction occurs when water, snow, ice, gravel, or other material is on the road surface. Driving practices and car speed should be adjusted to the road conditions.

When driving on wet or slushy roads, it is possible for a wedge of water to build up between the tire and road surface. This phenomenon, known as hydroplaning, may cause partial or complete loss of traction, which adversely affects vehicle control and stopping ability. To reduce the possibility of traction loss, the following precautions should be observed:

1. Slow down during rainstorms or when roads are slushy.
2. Slow down if road has standing water or puddles.
3. Replace tires when tread wear indicators are visible.
4. Keep tires properly inflated.

For temporary assistance when traction is lost on ice or snow, the use of AC Liquid Tire Chain is recommended.

Hoists-service lifting equipment

The preferred type of hoist for lifting all Cadillac cars is one that engages the front suspension and rear axle, or all four wheels.

When using lifting equipment that engages the suspension system, the car should be centered over the hoist so that the hoist arms engage the flattened portion of the front suspension lower arms.

If a frame engaging hoist is used, certain precautions must be observed. Do NOT use a frame engaging hoist to raise the Fleetwood Seventy-

Five Sedan and Limousine, or the Commercial Chassis.

ELDORADO—If either a frame engaging hoist or drive-on hoist is used for the Eldorado make certain the centerline of the door is behind the centerline of the lift post for proper weight distribution.

Underbody maintenance

The effects of salt and other corrosive materials used for ice and snow removal and dust control can result in accelerated rusting and deterioration of underbody components such as brake and fuel lines, frame, underbody floor pan, exhaust system,

brackets, parking brake cables, etc. These corrosive effects, however, can be reduced by periodic flushing of the underbody with plain water. In geographic areas having a heavy concentration of such corrosive materials, it is recommended that the complete underbody be inspected and flushed at least once each year, preferably after a winter's exposure. Particular attention should be given to cleaning out underbody members where dirt and other foreign materials may have collected.

If desired, your Cadillac dealer can perform this service for you. In addition, he can provide recommendations on undercoating materials which will help protect your vehicle from corrosion.

SECTION 6



SPECIFICATIONS, OWNER ASSISTANCE, INDEX, GAS STATION INFORMATION

Specifications

Vehicle Identification Number—The Vehicle Identification Number is used in license and insurance applications and in general reference to the automobile. For the owner's convenience this number is located on top of the instrument panel at the lower left hand corner of the windshield, where it is visible from outside the car. See General description and specifications chart in this section for V.I.N. interpretation.

FLUID CAPACITIES

FUEL TANK—all models
Approx. 27½ U.S. Gal. (23 Imp. Gal.)

ENGINE OIL

All except Eldorado . 4 U.S. Qts. (3¼ Imp. Qts.)
With oil filter change 5 U.S. Qts. (4¼ Imp. Qts.)
Eldorado 5 U.S. Qts. (4¼ Imp. Qts.)
With oil filter change 6 U.S. Qts. (5 Imp. Qts.)

TURBO HYDRA-MATIC TRANSMISSION—with
filter change:

All except Eldorado . 4 U.S. Qts. (3¼ Imp. Qts.)
Eldorado 5½ U.S. Qts. (4½ Imp. Qts.)

REAR AXLE

All except Eldorado . . 5 U.S. Pts. (4¼ Imp. Pts.)

FINAL DRIVE

Eldorado 4 U.S. Pts. (3¼ Imp. Pts.)

COOLING SYSTEM CAPACITY

Heater only. 21¼ U.S. Qts. (18¼ Imp. Qts.)
Air Conditioned . . 23¼ U.S. Qts. (20 Imp. Qts.)
Fleetwood
Seventy-Five. . 26¼ U.S. Qts. (22½ Imp. Qts.)

WASHER FLUID RESERVOIR—2½ Qts. (2 Imp. Qts.)

ENGINE SPECIFICATIONS (EXCEPT ELDORADO)

Type of engine 90° V-8 overhead valve
Bore and stroke 4.300 in. x 4.060 in.
Piston displacement 472 cu. in.
Compression Ratio 8.5:1

ENGINE SPECIFICATIONS (ELDORADO)

Type of engine 90° V-8 overhead valve
Bore and stroke 4.300 in. x 4.304 in.
Piston displacement 500 cu. in.
Compression ratio 8.5:1

ENGINE BELT TENSIONS

New belts 100 lbs.
Previously tensioned belts. 55-70 lbs.

BATTERY SPECIFICATIONS

Type of battery—

Original Delco Energizer No. R 91S

Replacement ... No. R 91S or No. R 89W

Capacity, ampere hours 74

Plates, number per cell 15

Terminal grounded Negative

Volts 12

Full charge specific gravity 80°F. . 1.250-1.280

Cranking power at 0°F. 3600 Watts

BATTERY REPLACEMENT—ALL MODELS

For maximum wattage requirements specify a Delco Energizer at replacement time.

COOLING SYSTEM

Thermostat

Starts to open 177°F. to 182°F.

Fully open (approximately 7/16") .. 202°F.

Radiator cap pressure 13.5 to 16.5 PSI

WHEELS AND TIRES

Wheel nut torque 130 ft. lbs.

Tire pressures See chart in Section 5

RECOMMENDED PARTS.

ITEM	USAGE	TYPE AND NUMBER
Air Cleaner Element	All Engines	AC Type 332C
Fuel Filter Element	All Engines	AC Type 441
P.C.V. Valve	All Engines	AC Type CV 679C
Engine Oil Filter	All Engines	AC Type PF-30
Transmission Filter	All Except Eldorado	AC Type PF-168
Transmission Filter	Eldorado only	AC Type PF-169
Radiator Cap	All Models	AC Type RC-27

TUNE-UP SPECIFICATIONS

Engine idle speed 600 rpm in DRIVE range.

Ignition timing 8° B.T.C. at 600 rpm
in DRIVE range

Distributor point opening016"

Distributor point dwell 28°-32°

Spark plugs AC Type R 46N

Spark plug gap035"

Fuses and circuit breakers

The fuses and circuit breakers in the electrical system are located in the fuse block (on the left side of firewall under instrument panel), in the wiring harness (in line), or within a system component (integral).

In addition to the fuses and circuit breakers, fusible links are incorporated into the wiring

13. Antenna Fuse - 15 AMP.
14. Stop Lights and Hazard Warning Flasher Fuse - 25 AMP.
15. Body Feed Fuse - 25 AMP: Cigar lighters; clock; courtesy lights; glove box light; map light; reading light, chauffeur (Limousine); trunk light; vanity mirror light.

Other Circuit Breakers and Fuses

- Headlights circuit Breaker (integral with headlight switch) - 15 AMP: Twilight sentinel.
- Sunroof Circuit Breaker - under dash.
- Track Master — in line 4 AMP at fuse block.

Bulbs AC-Guide Lamps

LOCATION	BULB NO.
Accessory Switch Lights	1445
Ash Tray	1445
Back-Up Lights	1156
Clock	1816
Cornering Lights—	
Front Fender	1295

Courtesy Lights:

Instrument Panel	89
Doors	212, 212-1, or 212-2
Rear Quarter	90
Rear Quarter Armrest	212, 212-1, or 212-2
Cruise Control Indicators	1445
Door Warning and Courtesy Lights (Combined)	212, 212-1, or 212-2
Glove Compartment	1816
Headlights:	
Inner	5001
Outer	4000
Headlight Switch	1895
Heater or A/C Control	1895
High Beam Indicator	161
Instrument Panel Cluster	194
License Plate Light	194
Map Light	550
Marker Lamps - Side:	
Front	97A
Rear Eldorado	194
Except Eldorado	168

Opera Lamp	756
Park and Turn Signal	1157NA
Radio	
Dial Light	1895
*AM/FM Band, Stereo Radio and Tape Player Lamps	Special
*Rear Control Indicator (Fleetwood Seventy-Five)	250
Reading Light — Front Compartment (Limousine Only) .	90
Reading Spot Lights (Fleetwood Sixty Special Brougham and Seventy-Five)	1004
Rear De-Fogger Indicator	1445
Stop, Tail and Signal Light	1157
Telltale and Warning Lights (Instrument Panel)	
Brakes, Stop Eng.-Temp., Stop Eng.-Oil, Fasten Seat Belts ..	168
Other Telltale Lights	161
Trunk Compartment	1003
Turn Signal Indicator	194
Vanity Mirror	562
Wiper Switch	1445

*Serviceable Only By Radio Technician.

General description and specifications

STYLE DESCRIPTION	WEIGHT	WHEEL BASE (INCHES)	LENGTH (INCHES)	HEIGHT (INCHES)	WIDTH (INCHES)	TREAD WIDTH		VEHICLE IDENTIFICATION NUMBER
						FRONT	REAR	
Fleetwood Sixty Special Brougham	4999	133	231.5	55.5	79.8	63.3	63.3	6 B 69 R 3 Q 100001 Cadillac ——— Broadcast Numbers Series ——— Plant Body Type ——— Model - Year Engine ———
Calais Sedan	4850	130	228.5	54.6				
Calais Coupe	4797			54.1				
Sedan DeVille	4882			54.6				
Coupe DeVille	4822			54.1				
Eldorado Coupe	4777	126.3	222.0	53.9		63.66	63.59	Series Body Type B—Brougham 47 Coupe C—Calais 49 Sedan D—DeVille 69 Sedan (Full pillar) L—Eldorado 67 Convertible F—Fleetwood 75 23 75 Sedan Z—Commercial Chassis 33 75 Limousine 90 Comm'l. Chassis
Eldorado Convertible	4863			54.3				
Fleetwood Seventy-Five Sedan	5637	151.5	250.0	57.8		63.3	63.3	
Fleetwood Seventy-Five Limousine	5759			57.7				
Commercial Chassis	—	157.5	253.9	—			—	65.0

Owner assistance

The satisfaction and goodwill of the owners of Cadillac Products are of primary concern to your dealer and the Cadillac Motor Car Division. Normally, any problems that arise in connection with the sales transaction or the operation of your car will be handled by your dealer's Sales or Service Departments. It is recognized, however, that despite the best intentions of everyone concerned, misunderstandings will sometimes occur. If you have a problem that has not been handled to your satisfaction through normal channels, we suggest that you take the following steps:

STEP ONE—Discuss your problem with a member of dealership management. Frequently, complaints are the result of a breakdown in communications and can quickly be resolved by a member of the dealership management. If the problem already has been reviewed with the Sales Manager or Service Manager, contact the Dealer himself or the General Manager.

STEP TWO—Contact the Cadillac Zone Office closest to you listed on the following page (or in Canada, contact the General Motors Zone office). When it appears that your problem cannot be readily resolved by the dealership without additional assistance, the matter should be called to the attention of the Zone's Customer Services Department and the following information provided:

- Your name, address, telephone number
- Vehicle Identification number*
- Dealer's name and location
- Vehicle's delivery date and mileage
- Nature of problem.

STEP THREE—Contact the Customer Services Manager, Cadillac Motor Car Division, Detroit, Michigan 48232, Telephone 825-4600, Area Code 313. (In Canada, contact the Customer Services Supervisor, General Motors of Canada Limited, Oshawa, Ontario 416-644-6624). If after an additional review of all facts involved he feels that some further action can be taken, he will so instruct the Zone. In any case, your letter will be acknowledged providing Cadillac's position in the matter.

When contacting the Zone or Central Office, please bear in mind that ultimately your problem likely will be resolved in the dealership, utilizing the dealer's facilities, equipment and personnel. It is suggested, therefore, that you follow the above steps in sequence when pursuing a problem.

Your purchase of a Cadillac product is greatly appreciated by both your dealer and Cadillac Motor Car Division. It is our sincere desire to assist you in any way possible to assure your complete satisfaction with your vehicle.

**Available from vehicle registration, title, or plate attached to left top of instrument panel and visible through the windshield.*

CADILLAC ZONE OFFICES IN U.S.A.

CANADA

ATLANTA

1776 Peachtree Road, N.W.
Atlanta, Georgia 30309
875-8396 Area Code 404

DENVER

1780 S. Bellaire St.
Denver, Colorado 80222
756-3691 Area Code 303

MINNEAPOLIS

7701 Normandale Road—Edina
Minneapolis, Minnesota 55435
920-3870 Area Code 612

BOSTON

220 Boylston Street
Chestnut Hill, Mass. 02167
969-6810 Area Code 617

DETROIT

15565 Northland Drive
Southfield, Michigan 48075
442-5692 Area Code 313

NEW YORK

1013 Teaneck Road
Teaneck, N.J. 07666
833-2240 Area Code 201

CHICAGO

P.O. Box 6368
Chicago, Illinois 60680
654-6555 Area Code 312

JACKSONVILLE

4019 Woodcock Drive
Jacksonville, Florida 32207
398-1141 Area Code 904

PHILADELPHIA

Route 38, P.O. Box 9
Moorestown, N.J. 08057
235-6800 Area Code 609

CINCINNATI

8075 Reading Road, Room 210
Cincinnati, Ohio 45222
841-5837 Area Code 513

KANSAS CITY

P.O. Box 6307
Shawnee Mission, Kansas 66206
642-7801 Area Code 913

PORTLAND

1500 N.E. Irving St.
Portland, Oregon 97232
233-4801 Area Code 503

CLEVELAND

23200 Chagrin Boulevard
Beachwood, Ohio 44122
464-8452 Area Code 216

LOS ANGELES

15910 Ventura Blvd.
Encino, Calif. 91316
986-7770 Area Code 213

SAN FRANCISCO

1825 Trousdale Drive
Burlingame, Calif. 94010
697-6080 Area Code 415

DALLAS

P. O. Box 45006
Dallas, Texas 75235
357-3851 Area Code 214

MEMPHIS

P.O. Box 12044
Memphis, Tennessee 38112
324-3621 Area Code 901

WASHINGTON, D.C.

Wheaton Plaza Office Bldg.
Wheaton, Maryland 20902
949-4570 Area Code 301

CALGARY

P.O. Box 2510
Calgary 2, Alberta
243-4621 Area Code 403

LONDON

P.O. Box 5412—Terminal "A"
London 12, Ontario
455-2400 Area Code 519

MONCTON

653 St. George St.
Moncton, New Brunswick
854-1500 Area Code 506

MONTREAL

5000 Trans-Canada Highway
Point Claire 730, Quebec
697-9160 Area Code 514

OTTAWA

875 Belfast Road
Ottawa, Ontario K1G0Z4
237-5051 Area Code 613

REGINA

581 Park St.
Regina, Saskatchewan
543-2224 Area Code 306

TORONTO

1200 Eglinton Ave. East
Don Mills, Ontario
446-5000 Area Code 416

VANCOUVER

900 Terminal Avenue
Vancouver 4, British Columbia
684-9444 Area Code 604

WINNIPEG

1345 Redwood Avenue
Winnipeg 14, Man. R2X049
582-2371 Area Code 204

MEXICO

MEXICO

General Motors
de Mexico S.A. de C.V.
Av. Ejercito Nacional No. 843
Mexico 5, D.F.
545-3921

HAWAII

HONOLULU

1600 Kapiolani Blvd.
Suite 714
Honolulu, Hawaii
946-3988

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NOTE: Refer to the supplementary **EMIS-
SION CONTROL SYSTEMS** folder for
operating and warranty information related
to controlling automobile emissions.

Refer to the supplementary **MAIN-
TENANCE SCHEDULE** folder for a com-
plete schedule of the safety, emission con-
trol, lubrication and general maintenance
required for your vehicle.

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Gas station information Refer to "Service and Maintenance" Section for Further Details.



FUEL FILLER

GAS CAP—Located behind the license plate on all models. Gas cap design provides two-stage removal and installation procedure. See Gas Cap Removal Procedure, in Service and Maintenance Section.

GASOLINE RECOMMENDATION—Use an unleaded or low-lead fuel of approximately 91 Research Octane Number or higher as commonly sold in the U.S. and Canada.



HOOD RELEASES

HOOD RELEASE—All Cadillacs are equipped with an anti-theft hood latch system. The release handle is located on the left-hand cowl side trim panel below the instrument panel. Open the hood as follows:

- Pull the anti-theft hood release handle until the hood unlatches. A secondary latch is designed to prevent it from opening further.

- The secondary latch lever is located under the front center of hood. Insert hand between the hood and grille center, press lever up to release secondary latch, and lift hood.

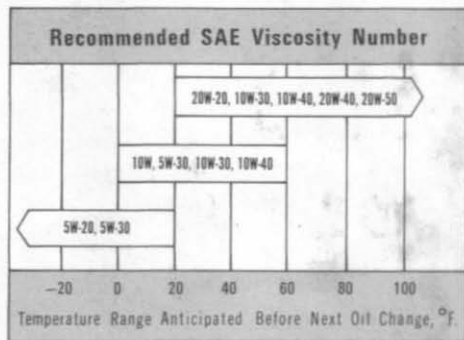
To close hood:

- Check underhood to make certain filler caps are in place and loose items have been removed.
- Pull hood down until it is about 15 inches above grille. Close hood firmly so that it latches securely.

ENGINE OIL DIPSTICK—Located on left side of engine block. Check oil level as the last operation in a fuel stop. Maintain between "ADD" and "FULL" marks on dipstick.

ENGINE OIL RECOMMENDATION—Use only high quality SE oils. The following chart will serve as a guide for selecting proper oil viscosity.

Gas station information (cont'd.)



ENGINE OIL VISCOSITY CHART

NOTE: SAE 5W-20 oils are not recommended for sustained high-speed driving.

SAE 30 oils may be used at temperatures above 40°F.

SAE 5W-30 viscosity oil is recommended for all seasons in vehicles operated in Canada.

TIRE INFLATION PRESSURES—Check at least monthly. Keep inflated to pressures shown on tire placard affixed to glove compartment door of your vehicle.

WINDSHIELD WASHER—Check reservoir fluid level regularly. Use a washer fluid, such as GM Optikleen.

BATTERY—Check fluid level monthly (two week intervals in warm weather) utilizing the level indicator cap marked "Delco Eye." If the transparent eye within the cap appears to glow, fluid level is low. Add only colorless, odorless drinking water or distilled water to bring level to split ring in filler opening.

Your New
Cadillac
and
Clean
Air

THIS CADILLAC IS DESIGNED AND BUILT TO CONFORM TO 1973 EXHAUST EMISSION REGULATIONS. VERY PRECISE CONTROL OF ENGINE OPERATION IS VITAL TO LOW EMISSION. THE CARBURETOR, DISTRIBUTOR AND EMISSION CONTROL SYSTEMS HAVE BEEN SET FOR OPTIMUM OPERATION.

SMOOTHER ENGINE AND TRANSMISSION OPERATION WILL OCCUR AFTER APPROXIMATELY 2000 MILES.

DO YOUR SHARE FOR CLEANER AIR:

1. WAIT UNTIL AFTER BREAK-IN BEFORE REQUESTING ADJUSTMENT. (IN MOST CASES NONE WILL BE NECESSARY)
2. IF ENGINE RUNS TOO FAST, CONTINUES TO RUN WITH KEY OFF OR STALLS, HAVE IDLE SPEED CORRECTED.
3. FOLLOW THE SERVICE PROCEDURES IN THIS MANUAL AND IN THE 1973 CADILLAC MAINTENANCE SCHEDULE FOLDER.



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